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State-Level Costs of Production, 1986

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ABSTRACT

The cost of producing major U.S. field crops fell an average 10 percent in 1986. The decline was led by fuel costs, followed by fertilizer costs. However, prices received by farmers declined by a higher percentage, thus deteriorating returns. The costs and returns in this report are consistent with regional and national weighted averages published annually in the Economic Indicators of the Farm Sector: Costs of Production. The estimates are preliminary and subject to revision.

Keywords: Costs of production, costs and returns.

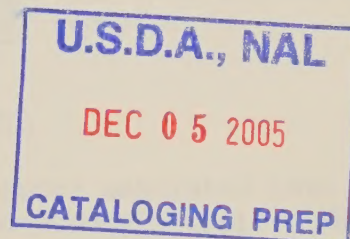
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These State budgets are presented for research and review only.
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State-Level Costs of Production, 1986

Gregory Davenport

INTRODUCTION

The U.S. Department of Agriculture's Economic Research Service (ERS) has been estimating costs of production (COP) for major U.S. crops since 1974. In estimating these costs, ERS uses survey data to create State budgets by crop and cropping practice. The State budgets in the appendix tables are updated and revised from a computerized budget generator. The budgets are aggregated each summer by means of a weighted average to the regional and national levels and are published in ERS' annual Economic Indicators of the Farm Sector: Costs of Production.

This report supplements the annual economic indicators report. The estimates are preliminary and subject to revision. This report briefly describes the concepts and methods behind the estimates and the process of interpreting the costs and returns budgets. More detailed explanations and data sources are in the annual ERS Economic Indicators of the Farm Sector reports.

STRUCTURE OF THE ACCOUNTS

Each enterprise budget contains cost and return measures separated into three major categories: cash receipts, cash expenses, and economic costs. ERS and the National Agricultural Statistics Service (NASS) collect much of the data used to estimate the costs through surveys of farmers. Quantities of variable inputs, multiplied by their prices, determine the costs shown in the enterprise budgets.

Cash Receipts and Cash Expenses

Cash receipts measure the gross value of production, allowing analysts to estimate the residual returns to management and owned resources used in producing crops. Receipt information used to calculate net returns allows one to review the economic performance of a commodity in a particular year or over time.

Cash expenses account for the variable and fixed inputs and are the out-of-pocket costs incurred during production. The cashflow position of producers is determined by subtracting cash expenses from the value of production (cash receipts).

ERS tabulates cash returns (receipts less expenses) before and after a charge for replacing the capital invested in buildings and machinery. In any given year, an operator may defer machinery and equipment purchases, depending on the income or tax position of the farm. Over the long run, however, operators must set aside funds to replace equipment. The remaining cash returns reflect funds available for family living, debt retirement, or other discretionary uses and should provide for depreciation of machinery and equipment.

Economic (Full Ownership) Costs

Total economic costs and returns can be used to compare various commodities without regard for equity levels or tenure of producers. For example, the cash expenses of two farm operators who produce corn may differ because of differing levels of debt, even if they use identical practices and technology on similar land.

Economic costs partly consist of variable expenses (less actual interest charges) plus general farm overhead, taxes and insurance, and the charge for capital replacement. If the total of these items is subtracted from cash receipts, the remainder is a return to the farmer's owned inputs used to cover the costs of land, machinery, labor, and capital invested in operating inputs during production. The cost allocated to land, machinery, and labor is based only on the imputed value of each item used for crop production.

Individual operators have many methods of allocating residual returns to cover the costs of owned or fixed resources. Some operators assign a proportionately large return to cover landownership costs and then leave a small return to unpaid labor. Others may do the opposite. To allocate residual returns to each asset, the COP budgets use the annual rate of return the producer could expect capital to earn in the current year without accounting for inflation or deflation.

The earnings value of an owner-supplied input during production is difficult to determine. One cannot easily assess the additional revenue earned when a producer invests more money in operating inputs rather than incurring additional short-term debt. Therefore, the accounts in this report are calculated by assuming that the rational producer expects money invested in variable production inputs to earn at least as much as if it were placed in a savings account or a similar financial instrument. Thus, that relatively risk-free rate of return (which is the opportunity cost of the funds) is used to estimate the imputed annual return to invested operating capital. ERS uses the average 6-month U.S. Treasury bill rate.

ERS uses a similar procedure to value the time the operator and other individuals work on the farm. At a minimum, their unpaid labor is worth the equivalent of the hired-labor wage rate. Any additional return reflecting the operator's entrepreneurial skill appears in the residual return to management and risk.

The annual expected return the average producer might receive from capital invested in machinery and other nonland production assets is estimated directly from data published in ERS' annual Economic Indicators of The Farm Sector: National Financial Summary. A single real rate of return estimates the annual earnings of owner-supplied or owned assets for all commodities in all regions. This rate was revised this year to reflect new estimates of the imputed returns to operator's labor as discussed in the appendix of ERS' annual Economic Indicators of the Farm Sector: Production and Efficiency Statistics 1985. Another change is in the use of a 10-year average rather than 20 years. It is felt that 10 years better reflects the ownership of the non-land capital, particularly machinery. The 10-year average calculated rates for 1984-86 are:

From R. Strickland's group

| Year | Old Percentage | New Percentage |
|------|----------------|----------------|
| 1984 | 4.20 | 2.26 |
| 1985 | 4.34 | 2.14 |
| 1986 | Not available | 2.16 |

Data are not available to estimate rates specific to various commodities and regions. Returns to land for crops include rental value as a proxy for land returns rather than the real rate of return to production assets.

The return to management and risk is the residual amount after deducting all the above costs from total receipts. The return to management and risk can be evaluated only in light of the given allocation of residual returns and is directly comparable only when the same procedure is used for those commodities. The longrun return to risk is expected to average near zero; the residual return to risk in any particular year could be positive or negative depending on weather and supply and demand factors. The return to management should be positive, but the level remains unknown and is speculative. Therefore, the residual return to management and risk combined is expected to average above zero over time.

PROCEDURE

ERS prepares and presents COP data in an enterprise budget, which summarizes all operator and landlord costs and returns associated with producing a commodity. ERS prepares crop enterprise budgets on a per-planted-acre basis. The State enterprise budgets cover each commodity in each major producing region and represent average production input use and technology. These budgets (excluding rice) are based on surveys taken through the spring 1984 in which NASS drew a random sample from all producers who responded to acreage and production surveys. NASS sampled farms from the list of respondents with a probability (proportionate to size) that each unit of production (an acre or animal) in the region had an equal chance of being included in the survey. Therefore, the survey data tend to represent acreages of surveyed crops on larger commercial farms because of their many acres. For example, a 1,000-acre farm with 400 acres of a COP crop has twice the probability of being sampled as a 1,000-acre farm with 200 acres of the same crop.

For rice, and all future surveys, ERS uses the Farm Costs and Returns Survey (FCRS). The FCRS is a full probability survey started in 1984. The changes implemented by the FCRS were mainly in the sample design. The most noticeable differences in the COP budgets will be the shifting of categories of some cost items. A more indepth look at exactly what changes were made can be found in ERS' annual Economic Indicators of the Farm Sector: Costs of Production, 1986. Rather than solicit per-acre costs directly from farmers, ERS uses more generalized methods because individual farmers often use different accounting procedures. Surveys determine the quantity of each input and describe field operations, the size and type of equipment, fertilizing rates, seeding rates, custom operations, and labor use.

Engineering relationships and a computerized budget generator determine fuel use, repairs, total labor for crop production, and machinery replacement costs. The economic engineering equations, developed by the American Society of Agricultural Engineers, calculate machinery repair and fuel costs as well as a replacement allowance, interest, taxes, and insurance based on the original price of the machine and annual hours of use. Formulas also estimate the required amount of labor needed to operate machines. COP surveys provide the amount of hand labor. Table 1 shows the survey years on which the cost estimates are based.

Table 1--Surveys of major commodities, selected years

| Commodity | Production year 1/ | : | Commodity | Production year 1/ |
|-----------|-----------------------|---|------------|-----------------------|
| Corn | 1982 and 1983 | : | Flax | 1983 |
| Sorghum | 1982 and 1983 | : | Cotton | 1982 |
| Barley | 1982 and 1983 | : | Soybeans | 1982 and 1983 |
| Oats | 1983 | : | Sunflowers | 1983 |
| Wheat | 1982 and 1983 | : | Peanuts | 1982 |
| Rice | 1984 | : | | |

1/The 1982 survey was conducted in the Southern States and the Pacific Northwest. The 1983 survey was conducted in the Northern States. The 1984 survey was conducted in the major rice producing States.

USING COST-OF-PRODUCTION DATA

Although the costs and returns in USDA's budgets are on a per-acre basis, per-bushel or per-pound estimates can supplement farm management or planning and agricultural policy and program decisionmaking. Per-unit crop costs and returns can be derived by dividing the per-acre costs and returns by the yields given here or by trend yields determined elsewhere.

Four cost indicators and three return indicators can be derived from each budget. These indicators can be used for many purposes so correct selection of the proper cost or return depends entirely on the user's objectives.

Cost Indicators

Total cash expense reflects the shortrun out-of-pocket variable and fixed costs incurred, and minimum breakeven price needed, to raise and harvest a crop with a given yield on an average acre of cropland.

Total cash expense with replacement reflects all cash expenses and the additional dollars needed to replace the machinery and equipment used in crop production. Capital stock must be replaced in a timely manner to maintain productive capacity over time.

Economic costs excluding land reflect all cash expenses (less cash interest), capital replacement, and allocated returns to unpaid labor, operating capital, and nonland capital. ERS imputes the allocated returns for some items because they cannot be measured directly. Economic costs indicate the average longer run costs, which must be covered to keep an acre of land in production before land rent is paid, whether to the owner-operator or to the landholder.

Economic costs including land reflect total economic costs, including an estimated rent to the landowner. On a per-unit basis, these costs show the breakeven longrun average price necessary to continue producing a crop. This is an indicator of total costs.

Return Indicators

Net cash returns (total cash receipts less total cash expenses) are strictly cash returns and are the cash in hand to allocate to capital replacement and owned factors of production.

Net cash returns after replacement (receipts less cash expenses and replacement) reflect cash available for paying for the farmer's owned inputs after all cash costs are paid.

Residual returns to management and risk (total receipts less total economic costs) are the longrun economic indicators used to compare performance of commodities and to assess relative returns among commodities.

1986 PRODUCTION COSTS AND RETURNS

The 1986 costs of producing major U.S. field crops continued 1985's decline. Also, the price received by farmers for their commodities declined. For some crops, the fall in prices received by farmers exceeded the fall in costs, thus further squeezing profit margins.

Farmers planted 328.3 million acres to the major field crops in 1986, a decline of 4 percent from 1985. This represents the second smallest amount of land in production this decade. A feed grain program was in effect that enticed farmers to hold out land usually used in production. Feed grains accounted for most of the fall in acreage. Corn acreage alone fell from 83.5 million acres in 1985 to 76.7 million acres in 1986.

Most input costs fell, with fuel and interest payments leading the way at 19.5 and 11.0 percent. General inflation, as measured by the Consumer Price Index (CPI), was a low 1.9 percent. Wages, coupled with autos and trucks, were the only inputs whose costs rose by a higher amount. The only other input costs to rise were taxes and other machinery.

The 1986 costs changed sharply from the year before with fuel costs leading the way. The significance of lower fuel costs is enhanced by recognition that fuel costs can range from 4 to 12 percent of total cash expenses depending on the crop. Fertilizer costs continued down on a national average by 8.1 percent in 1986. Soybeans, peanuts, and cotton were affected less as fertilizer costs accounted for 5 to 8 percent of total cash expenses, compared with 6 to 34 percent for grains. Table 2 provides a view of what selected input prices did in 1986.

Table 2--Price changes for selected input items, 1986

| Item | Change Percent |
|-------------------|-------------------|
| Farm origin: | |
| Feed | -9.1 |
| Feeder livestock | -.7 |
| Nonfarm origin: | |
| Wage rates | 3.9 |
| Interest payments | -10.5 |
| Taxes | 1.1 |
| Buildings | -.3 |
| Autos and trucks | 2.4 |
| Tractors | -2.2 |
| Other machinery | .6 |
| Farm supplies | -1.6 |
| Fuels | -19.5 |
| Farm chemicals | -.9 |
| Seed | -3.3 |
| Fertilizer | -8.1 |

Automobiles, trucks, and pulled farm implements showed smaller price increases than in the previous year. But the trend of farmers using farm machinery longer continues. Total expenses for machinery purchases, therefore, would tend to decrease as farmers buy less equipment.

Total cash expenses fell for every major crop. Crops such as cotton, hard red spring wheat, hard red winter wheat, oats, and barley showed double digit

percent expense declines in many cases. Commodity prices also fell and in some cases by a higher proportion, thus causing net cash returns to deteriorate. There was one exception. Peanut prices went up while the cost associated with their production went down. Due to production practices, climate, and soil, expenses vary across States, as does the price a farmer receives.

Net land returns for oats and wheat fell off drastically. The fall in price for these two crops was only part of the story. As a rule, falling prices are the result of rising yields, but this did not occur in 1986 for oats and wheat. These two crops had lower yields accompanied by falling prices, thus in effect shrinking net returns to land.

Table 3 lists the per-unit total economic cost ranges for the major commodities. The costs were estimated as the total economic cost of producing the commodity divided by the actual planted-acre yield. These costs are for 1986 only and do not necessarily represent an average year. For example, small grains like oats were frequently used for a cover crop, being planted but not harvested.

The appendix tables present the State COP budgets for the major crops. Budgets are arranged alphabetically by State with feed grains followed by food grains, oilseed crops, and fibers.

Table 3--Per-unit economic cost ranges for major commodities, 1986

| Crop | Low-cost State | U.S. average | High-cost State |
|----------------------------------|-------------------------|--------------|-------------------------|
| <u>Dollars per bushel</u> | | | |
| Corn | 1.68 (SD) | 2.04 | 4.52 (SC) |
| Grain sorghum | 1.69 (NE-DRY) <u>1/</u> | 2.22 | 4.07 (CA) |
| Barley | 1.95 (ND-AC) <u>1/</u> | 2.58 | 4.95 (MT-AC) |
| Oats | 1.81 (ND) | 3.32 | 8.67 (IL) |
| Hard red winter wheat | 2.55 (ID-AF) <u>1/</u> | 3.88 | 9.04 (NM-IRR) <u>1/</u> |
| Soft red winter wheat | 3.12 (AR) | 4.36 | 7.01 (AL) |
| White wheat | 2.81 (WA-AC) | 3.16 | 4.26 (ID-AF) |
| Hard red spring wheat | 3.42 (ND) | 3.67 | 5.86 (MT-AC) |
| Durum wheat | 2.53 (SD-AF) | 3.50 | 3.62 (ND-AF) |
| Soybeans | 3.84 (KS) | 4.87 | 11.34 (GA) |
| Flaxseed | 5.33 (ND) | 5.58 | 6.74 (MN) |
| <u>Dollars per hundredweight</u> | | | |
| Rice | 6.74 (CA) | 7.21 | 8.24 (SW-LA) |
| Sunflower | 7.40 (SD) | 8.45 | 9.79 (MN) |
| <u>Dollars per pound</u> | | | |
| Peanuts | .19 (VA) | .21 | .28 (TX-DRY) <u>1/</u> |
| Cotton | .56 (AR) | .74 | 1.36 (NM-DRY) <u>1/</u> |

1/ AC = After crop, in rotation; AF = After fallow; DRY = Dryland;
 / IRR=Irrigated

cc

continuous cropping

Appendix table 1--Alabama corn production costs
per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 90.39 |
| Total | 90.39 |
| ===== | |
| Cash expenses: | |
| Seed | 14.26 |
| Fertilizer | 53.88 |
| Lime and gypsum | 6.99 |
| Chemicals | 12.56 |
| Custom operations | 7.19 |
| Fuel, lube, and electricity | 4.86 |
| Repairs | 8.42 |
| Hired labor | 1.64 |
| Drying | 1.48 |
| Miscellaneous | .27 |
| Technical services | .44 |
| Total, variable cash expenses | 111.99 |
| General farm overhead | 5.69 |
| Taxes and insurance | 4.77 |
| Interest | 15.21 |
| Total, fixed cash expenses | 25.67 |
| Total, cash expenses | 137.66 |
| Receipts less cash expenses | -47.27 |
| Capital replacement | 18.32 |
| Receipts less cash expenses and replacement | -65.59 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 111.99 |
| General farm overhead | 5.69 |
| Taxes and insurance | 4.77 |
| Capital replacement | 18.32 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.94 |
| Return to other nonland capital | 3.64 |
| Net land rent | 19.65 |
| Unpaid labor | 13.26 |
| Total, economic costs | 180.25 |
| Residual returns to management and risk | -89.86 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.85 |
| Yield (bu./planted acre) | 48.86 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 2--Alabama soft red winter wheat
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 44.57 |
| Secondary crop | .52 |
| Total | 45.09 |
| ===== | |
| Cash expenses: | |
| Seed | 9.22 |
| Fertilizer | 32.15 |
| Lime and gypsum | 4.66 |
| Chemicals | 3.35 |
| Custom operations | 6.59 |
| Fuel, lube, and electricity | 3.85 |
| Repairs | 6.03 |
| Hired labor | .70 |
| Miscellaneous | .16 |
| Technical services | .12 |
| Total, variable cash expenses | 66.84 |
| General farm overhead | 3.13 |
| Taxes and insurance | 3.05 |
| Interest | 8.37 |
| Total, fixed cash expenses | 14.54 |
| Total, cash expenses | 81.38 |
| Receipts less cash expenses | -36.29 |
| Capital replacement | 13.27 |
| Receipts less cash expenses and replacement | -49.56 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 66.84 |
| General farm overhead | 3.13 |
| Taxes and insurance | 3.05 |
| Capital replacement | 13.27 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.98 |
| Return to other nonland capital | 2.27 |
| Net land rent | 19.32 |
| Unpaid labor | 8.09 |
| Total, economic costs | 117.94 |
| Residual returns to management and risk | -72.85 |
| ===== | |
| Harvest-period price (dollars/bu.) | 2.65 |
| Yield (bu./planted acre) | 16.82 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 3--Alabama soybeans production costs
per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 104.21 |
| Total | 104.21 |
| ===== | |
| Cash expenses: | |
| Seed | 9.07 |
| Fertilizer | 16.15 |
| Lime and gypsum | 5.13 |
| Chemicals | 21.25 |
| Custom operations | 6.55 |
| Fuel, lube, and electricity | 4.99 |
| Repairs | 7.67 |
| Hired labor | 1.67 |
| Miscellaneous | .09 |
| Technical services | .63 |
| Total, variable cash expenses | 73.21 |
| General farm overhead | 4.82 |
| Taxes and insurance | 3.74 |
| Interest | 12.90 |
| Total, fixed cash expenses | 21.46 |
| Total, cash expenses | 94.66 |
| Receipts less cash expenses | 9.55 |
| Capital replacement | 16.39 |
| Receipts less cash expenses and replacement | -6.84 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 73.21 |
| General farm overhead | 4.82 |
| Taxes and insurance | 3.74 |
| Capital replacement | 16.39 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.74 |
| Return to other nonland capital | 2.84 |
| Net land rent | 23.78 |
| Unpaid labor | 11.21 |
| Total, economic costs | 137.72 |
| Residual returns to management and risk | -33.51 |
| ===== | |
| Harvest-period price (dollars/bu.) | 4.89 |
| Yield (bu./planted acre) | 21.31 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 4--Alabama peanuts
production costs per planted acre

| Item | 1986 |
|---|---------|
| <u>Dollars</u> | |
| Cash receipts: | |
| Primary crop | 560.18 |
| Secondary crop | 20.24 |
| Total | 580.42 |
| ===== | |
| Cash expenses: | |
| Seed | 66.11 |
| Fertilizer | 21.49 |
| Lime and gypsum | 17.30 |
| Chemicals | 99.91 |
| Custom operations | 8.89 |
| Fuel, lube, and electricity | 9.80 |
| Repairs | 15.63 |
| Hired labor | 6.15 |
| Drying | 35.77 |
| Technical services | .62 |
| Total, variable cash expenses | 281.67 |
| General farm overhead | 25.64 |
| Taxes and insurance | 9.09 |
| Interest | 68.62 |
| Total, fixed cash expenses | 103.35 |
| Total, cash expenses | 385.01 |
| Receipts less cash expenses | 195.41 |
| Capital replacement | 46.98 |
| Receipts less cash expenses and replacement | 148.43 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 281.67 |
| General farm overhead | 25.64 |
| Taxes and insurance | 9.09 |
| Capital replacement | 46.98 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 6.57 |
| Return to other nonland capital | 8.66 |
| Net land rent | 60.76 |
| Unpaid labor | 20.57 |
| Total, economic costs | 459.94 |
| Residual returns to management and risk | 120.48 |
| ===== | |
| Harvest-period price (dollars/lb.) | .25 |
| Yield (lbs./planted acre) | 2249.73 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 5--Alabama cotton
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 217.74 |
| Secondary crop | 24.58 |
| Total | 242.32 |
| <hr/> | |
| Cash expenses: | |
| Seed | 7.29 |
| Fertilizer | 35.67 |
| Lime and gypsum | 13.51 |
| Chemicals | 103.90 |
| Custom operations | 8.29 |
| Fuel, lube, and electricity | 8.77 |
| Repairs | 19.86 |
| Hired labor | 7.42 |
| Ginning | 38.23 |
| Miscellaneous | 2.42 |
| Technical services | 2.55 |
| Total, variable cash expenses | 247.92 |
| General farm overhead | 17.03 |
| Taxes and insurance | 10.38 |
| Interest | 45.57 |
| Total, fixed cash expenses | 72.98 |
| Total, cash expenses | 320.90 |
| Receipts less cash expenses | -78.58 |
| Capital replacement | 59.82 |
| Receipts less cash expenses and replacement | -138.40 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 247.92 |
| General farm overhead | 17.03 |
| Taxes and insurance | 10.38 |
| Capital replacement | 59.82 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 4.23 |
| Return to other nonland capital | 9.79 |
| Net land rent | 45.86 |
| Unpaid labor | 14.41 |
| Total, economic costs | 409.43 |
| Residual returns to management and risk | -167.11 |
| <hr/> | |
| Harvest-period price (dollars/lb.) | .43 |
| Yield (lbs./planted acre) | 502.86 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 6--Arizona barley (irrigated)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 217.51 |
| Secondary crop | 4.37 |
| Total | 221.88 |
| <hr/> | |
| Cash expenses: | |
| Seed | 23.65 |
| Fertilizer | 34.03 |
| Chemicals | 1.43 |
| Custom operations | 29.41 |
| Fuel, lube, and electricity | 89.88 |
| Repairs | 21.84 |
| Hired labor | 3.92 |
| Purchased irrigation water | 15.14 |
| Miscellaneous | 2.66 |
| Technical services | 1.05 |
| Total, variable cash expenses | 223.02 |
| General farm overhead | 17.79 |
| Taxes and insurance | 16.50 |
| Interest | 29.59 |
| Total, fixed cash expenses | 63.88 |
| Total, cash expenses | 286.89 |
| Receipts less cash expenses | -65.01 |
| Capital replacement | 45.10 |
| Receipts less cash expenses and replacement | -110.11 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 223.02 |
| General farm overhead | 17.79 |
| Taxes and insurance | 16.50 |
| Capital replacement | 45.10 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.65 |
| Return to other nonland capital | 8.09 |
| Net land rent | 5.30 |
| Unpaid labor | 26.24 |
| Total, economic costs | 344.68 |
| Residual returns to management and risk | -122.80 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.40 |
| Yield (bu./planted acre) | 90.63 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 7--Arizona hard red winter wheat
(irrigated) production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 285.45 |
| Secondary crop | 1.25 |
| Total | 286.70 |
| <hr/> | |
| Cash expenses: | |
| Seed | 18.29 |
| Fertilizer | 42.78 |
| Chemicals | 2.95 |
| Custom operations | 26.46 |
| Fuel, lube, and electricity | 97.17 |
| Repairs | 19.74 |
| Hired labor | 12.51 |
| Purchased irrigation water | 11.01 |
| Miscellaneous | 8.47 |
| Technical services | 230.11 |
| Total, variable cash expenses | |
| General farm overhead | 18.28 |
| Taxes and insurance | 30.28 |
| Interest | 64.26 |
| Total, fixed cash expenses | |
| Total, cash expenses | 294.37 |
| <hr/> | |
| Receipts less cash expenses | -7.67 |
| Capital replacement | 38.34 |
| Receipts less cash expenses and replacement | -46.01 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 230.11 |
| General farm overhead | 18.20 |
| Taxes and insurance | 15.78 |
| Capital replacement | 38.34 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 4.65 |
| Return to other nonland capital | 6.85 |
| Net land rent | 68.40 |
| Unpaid labor | 28.84 |
| Total, economic costs | 411.17 |
| <hr/> | |
| Residual returns to management and risk | -124.47 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 3.10 |
| Yield (bu./planted acre) | 92.08 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 8--Arizona cotton (irrigated)
production costs per planted acre

| Item | 1986 |
|---|----------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 727.22 |
| Secondary crop | 112.29 |
| Total | 839.51 |
| <hr/> | |
| Cash expenses: | |
| Seed | 8.32 |
| Fertilizer | 44.74 |
| Chemicals | 99.61 |
| Custom operations | 48.84 |
| Fuel, lube, and electricity | 107.86 |
| Repairs | 37.08 |
| Hired labor | 24.82 |
| Purchased irrigation water | 26.56 |
| Miscellaneous | 117.37 |
| Technical services | 4.04 |
| Total, variable cash expenses | 522.66 |
| General farm overhead | 45.87 |
| Taxes and insurance | 24.38 |
| Interest | 76.32 |
| Total, fixed cash expenses | 146.57 |
| Total, cash expenses | 669.23 |
| <hr/> | |
| Receipts less cash expenses | 170.28 |
| Capital replacement | 96.72 |
| Receipts less cash expenses and replacement | 73.56 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 522.66 |
| General farm overhead | 45.87 |
| Taxes and insurance | 24.38 |
| Capital replacement | 96.72 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 8.85 |
| Return to other nonland capital | 16.93 |
| Net land rent | 108.43 |
| Unpaid labor | 48.18 |
| Total, economic costs | 872.02 |
| <hr/> | |
| Residual returns to management and risk | -32.51 |
| <hr/> | |
| Harvest-period price (dollars/lb.) | .56 |
| Yield (lbs./planted acre) | 1,305.60 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 9--Arkansas sorghum production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 55.42 |
| Total | 55.42 |
| <hr/> | |
| Cash expenses: | |
| Seed | 4.03 |
| Fertilizer | 26.26 |
| Lime and gypsum | 1.61 |
| Chemicals | 5.75 |
| Custom operations | 8.60 |
| Fuel, lube, and electricity | 3.97 |
| Repairs | 7.65 |
| Hired labor | 2.02 |
| Drying | .09 |
| Miscellaneous | .10 |
| Technical services | .06 |
| Total, variable cash expenses | 60.14 |
| General farm overhead | 4.13 |
| Taxes and insurance | 3.47 |
| Interest | 6.86 |
| Total, fixed cash expenses | 14.46 |
| Total, cash expenses | 74.60 |
| <hr/> | |
| Receipts less cash expenses | -19.18 |
| Capital replacement | 19.60 |
| Receipts less cash expenses and replacement | -38.78 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 60.14 |
| General farm overhead | 4.13 |
| Taxes and insurance | 3.47 |
| Capital replacement | 19.60 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .73 |
| Return to other nonland capital | 3.41 |
| Net land rent | 13.83 |
| Unpaid labor | 12.38 |
| Total, economic costs | 117.69 |
| <hr/> | |
| Residual returns to management and risk | -62.27 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.81 |
| Yield (bu./planted acre) | 30.62 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 10--Arkansas soft red winter wheat
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 93.67 |
| Total | 93.67 |
| <hr/> | |
| Cash expenses: | |
| Seed | 9.96 |
| Fertilizer | 23.50 |
| Chemicals | 2.93 |
| Custom operations | 7.66 |
| Fuel, lube, and electricity | 3.85 |
| Repairs | 5.98 |
| Hired labor | .75 |
| Miscellaneous | 1.63 |
| Technical services | .09 |
| Total, variable cash expenses | 56.35 |
| General farm overhead | 5.78 |
| Taxes and insurance | 4.63 |
| Interest | 9.41 |
| Total, fixed cash expenses | 19.83 |
| Total, cash expenses | 76.18 |
| <hr/> | |
| Receipts less cash expenses | 17.49 |
| Capital replacement | 18.29 |
| Receipts less cash expenses and replacement | -.80 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 56.35 |
| General farm overhead | 5.78 |
| Taxes and insurance | 4.63 |
| Capital replacement | 18.29 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.71 |
| Return to other nonland capital | 2.96 |
| Net land rent | 19.16 |
| Unpaid labor | 8.62 |
| Total, economic costs | 117.51 |
| <hr/> | |
| Residual returns to management and risk | -23.84 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.49 |
| Yield (bu./planted acre) | 37.62 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 11--Arkansas (Grand Prairie) rice
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 244.76 |
| Total | 244.76 |
| <hr/> | |
| Cash expenses: | |
| Seed | 24.10 |
| Fertilizer | 26.83 |
| Chemicals | .35 |
| Custom operations | 45.36 |
| Fuel, lube, and electricity | 24.70 |
| Repairs | 41.91 |
| Hired labor | 13.93 |
| Drying | 17.10 |
| Technical services | 4.91 |
| Total, variable cash expenses | 199.19 |
| <hr/> | |
| General farm overhead | 18.00 |
| Taxes and insurance | 14.87 |
| Interest | 29.29 |
| Total, fixed cash expenses | 62.16 |
| Total, cash expenses | 261.35 |
| <hr/> | |
| Receipts less cash expenses | -16.59 |
| Capital replacement | 67.61 |
| Receipts less cash expenses and replacement | -84.20 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 199.19 |
| General farm overhead | 18.00 |
| Taxes and insurance | 14.87 |
| Capital replacement | 67.61 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 4.11 |
| Return to other nonland capital | 12.95 |
| Net land rent | 46.10 |
| Unpaid labor | 23.72 |
| Total, economic costs | 386.55 |
| <hr/> | |
| Residual returns to management and risk | -141.79 |
| <hr/> | |
| Harvest-period price (dollars/cwt.) | 4.27 |
| Yield (cwt./planted acre) | 57.32 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 12--Arkansas (Northeast) rice
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 217.51 |
| Total | 217.51 |
| <hr/> | |
| Cash expenses: | |
| Seed | 21.04 |
| Fertilizer | 23.31 |
| Chemicals | 1.48 |
| Custom operations | 34.99 |
| Fuel, lube, and electricity | 32.95 |
| Repairs | 30.97 |
| Hired labor | 17.24 |
| Drying | 25.35 |
| Technical services | 5.41 |
| Total, variable cash expenses | 192.73 |
| <hr/> | |
| General farm overhead | 16.82 |
| Taxes and insurance | 12.32 |
| Interest | 27.37 |
| Total, fixed cash expenses | 56.50 |
| Total, cash expenses | 249.24 |
| <hr/> | |
| Receipts less cash expenses | -31.73 |
| Capital replacement | 54.57 |
| Receipts less cash expenses and replacement | -86.30 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 192.73 |
| General farm overhead | 16.82 |
| Taxes and insurance | 12.32 |
| Capital replacement | 54.57 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 3.35 |
| Return to other nonland capital | 10.19 |
| Net land rent | 35.10 |
| Unpaid labor | 29.35 |
| Total, economic costs | 354.43 |
| <hr/> | |
| Residual returns to management and risk | -136.92 |
| <hr/> | |
| Harvest-period price (dollars/cwt.) | 4.27 |
| Yield (cwt./planted acre) | 50.94 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 13--Arkansas soybeans
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 101.49 |
| Total | 101.49 |
| Cash expenses: | |
| Seed | 6.11 |
| Fertilizer | 3.92 |
| Lime and gypsum | .40 |
| Chemicals | 13.61 |
| Custom operations | 7.90 |
| Fuel, lube, and electricity | 4.90 |
| Repairs | 7.20 |
| Hired labor | 1.72 |
| Total, variable cash expenses | 45.76 |
| General farm overhead | 6.67 |
| Taxes and insurance | 5.76 |
| Interest | 10.85 |
| Total, fixed cash expenses | 23.27 |
| Total, cash expenses | 69.04 |
| Receipts less cash expenses | 32.45 |
| Capital replacement | 20.81 |
| Receipts less cash expenses and replacement | 11.64 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 45.76 |
| General farm overhead | 6.67 |
| Taxes and insurance | 5.76 |
| Capital replacement | 20.81 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.29 |
| Return to other nonland capital | 3.49 |
| Net land rent | 21.12 |
| Unpaid labor | 11.54 |
| Total, economic costs | 116.44 |
| Residual returns to management and risk | -14.95 |
| Harvest-period price (dollars/bu.) | 4.98 |
| Yield (bu./planted acre) | 20.38 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 14--Arkansas cotton production costs
per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 263.73 |
| Secondary crop | 29.05 |
| Total | 292.78 |
| Cash expenses: | |
| Seed | 7.37 |
| Fertilizer | 22.66 |
| Lime and gypsum | 1.21 |
| Chemicals | 71.84 |
| Custom operations | 8.62 |
| Fuel, lube, and electricity | 8.69 |
| Repairs | 20.79 |
| Hired labor | 10.50 |
| Ginning | 50.77 |
| Technical services | 2.19 |
| Total, variable cash expenses | 204.64 |
| General farm overhead | 20.57 |
| Taxes and insurance | 10.30 |
| Interest | 33.47 |
| Total, fixed cash expenses | 64.34 |
| Total, cash expenses | 268.98 |
| Receipts less cash expenses | 23.80 |
| Capital replacement | 46.91 |
| Receipts less cash expenses and replacement | -23.11 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 204.64 |
| General farm overhead | 20.57 |
| Taxes and insurance | 10.30 |
| Capital replacement | 46.91 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.84 |
| Return to other nonland capital | 8.02 |
| Net land rent | 46.82 |
| Unpaid labor | 20.38 |
| Total, economic costs | 360.48 |
| Residual returns to management and risk | -67.70 |
| Harvest-period price (dollars/lb.) | .440 |
| Yield (lbs./planted acre) | 592.65 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 15--California corn (irrigated)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 332.68 |
| Total | 332.68 |
| <hr/> | |
| Cash expenses: | |
| Seed | 19.78 |
| Fertilizer | 55.22 |
| Chemicals | 28.33 |
| Custom operations | 21.37 |
| Fuel, lube, and electricity | 31.83 |
| Repairs | 22.70 |
| Hired labor | 4.89 |
| Purchased irrigation water | 13.43 |
| Drying | 3.92 |
| Miscellaneous | 5.03 |
| Technical services | .30 |
| Total, variable cash expenses | 206.80 |
| General farm overhead | 45.58 |
| Taxes and insurance | 19.51 |
| Interest | 66.70 |
| Total, fixed cash expenses | 131.79 |
| Total, cash expenses | 338.59 |
| <hr/> | |
| Receipts less cash expenses | -5.91 |
| Capital replacement | 50.52 |
| Receipts less cash expenses and replacement | -56.43 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 206.80 |
| General farm overhead | 45.58 |
| Taxes and insurance | 19.51 |
| Capital replacement | 50.52 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 4.34 |
| Return to other nonland capital | 9.08 |
| Net land rent | 80.17 |
| Unpaid labor | 39.58 |
| Total, economic costs | 455.58 |
| Residual returns to management and risk | -122.90 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.25 |
| Yield (bu./planted acre) | 147.86 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 16--California sorghum (irrigated)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 156.92 |
| Total | 156.92 |
| <hr/> | |
| Cash expenses: | |
| Seed | 10.32 |
| Fertilizer | 30.07 |
| Chemicals | 11.97 |
| Custom operations | 19.76 |
| Fuel, lube, and electricity | 31.72 |
| Repairs | 15.47 |
| Hired labor | 5.90 |
| Purchased irrigation water | 6.66 |
| Drying | .07 |
| Miscellaneous | .75 |
| Technical services | .68 |
| Total, variable cash expenses | 133.37 |
| General farm overhead | 20.12 |
| Taxes and insurance | 17.71 |
| Interest | 29.43 |
| Total, fixed cash expenses | 67.25 |
| Total, cash expenses | 200.62 |
| <hr/> | |
| Receipts less cash expenses | -43.70 |
| Capital replacement | 38.23 |
| Receipts less cash expenses and replacement | -81.93 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 133.37 |
| General farm overhead | 20.12 |
| Taxes and insurance | 17.71 |
| Capital replacement | 38.23 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.91 |
| Return to other nonland capital | 6.93 |
| Net land rent | 44.51 |
| Unpaid labor | 36.26 |
| Total, economic costs | 300.03 |
| Residual returns to management and risk | -143.11 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.13 |
| Yield (bu./planted acre) | 73.67 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 17--California barley (after crop)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 68.30 |
| Total | 68.30 |
| ===== | |
| Cash expenses: | |
| Seed | 6.28 |
| Fertilizer | 8.55 |
| Chemicals | 4.33 |
| Custom operations | 5.99 |
| Fuel, lube, and electricity | 3.30 |
| Repairs | 8.03 |
| Hired labor | 1.16 |
| Miscellaneous | .38 |
| Total, variable cash expenses | 38.02 |
| General farm overhead | 8.65 |
| Taxes and insurance | 9.42 |
| Interest | 12.66 |
| Total, fixed cash expenses | 30.72 |
| Total, cash expenses | 68.74 |
| ===== | |
| Receipts less cash expenses | -44 |
| Capital replacement | 18.28 |
| Receipts less cash expenses and replacement | -18.72 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 38.02 |
| General farm overhead | 8.65 |
| Taxes and insurance | 9.42 |
| Capital replacement | 18.28 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.10 |
| Return to other nonland capital | 3.34 |
| Net land rent | 9.80 |
| Unpaid labor | 7.76 |
| Total, economic costs | 96.37 |
| ===== | |
| Residual returns to management and risk | -28.07 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.93 |
| Yield (bu./planted acre) | 35.39 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 18--California barley (after fallow)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 68.75 |
| Total | 68.75 |
| ===== | |
| Cash expenses: | |
| Seed | 7.07 |
| Fertilizer | 13.29 |
| Chemicals | 9.98 |
| Custom operations | 6.55 |
| Fuel, lube, and electricity | 3.82 |
| Repairs | 8.06 |
| Hired labor | 1.31 |
| Miscellaneous | 3.75 |
| Total, variable cash expenses | 53.83 |
| General farm overhead | 11.67 |
| Taxes and insurance | 15.01 |
| Interest | 17.08 |
| Total, fixed cash expenses | 43.75 |
| Total, cash expenses | 97.58 |
| ===== | |
| Receipts less cash expenses | -28.83 |
| Capital replacement | 18.44 |
| Receipts less cash expenses and replacement | -47.27 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 53.83 |
| General farm overhead | 11.67 |
| Taxes and insurance | 15.01 |
| Capital replacement | 18.44 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.33 |
| Return to other nonland capital | 3.36 |
| Net land rent | 4.17 |
| Unpaid labor | 8.75 |
| Total, economic costs | 116.56 |
| ===== | |
| Residual returns to management and risk | -47.81 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.93 |
| Yield (bu./planted acre) | 35.62 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 19--California barley (irrigated)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 144.11 |
| Secondary crop | 4.21 |
| Total | 148.32 |
| ===== | |
| Cash expenses: | |
| Seed | 8.24 |
| Fertilizer | 35.20 |
| Chemicals | 6.69 |
| Custom operations | 25.56 |
| Fuel, lube, and electricity | 16.58 |
| Repairs | 9.81 |
| Hired labor | 2.93 |
| Purchased irrigation water | 16.19 |
| Miscellaneous | 8.88 |
| Technical services | .63 |
| Total, variable cash expenses | 130.71 |
| General farm overhead | 20.12 |
| Taxes and insurance | 15.34 |
| Interest | 29.43 |
| Total, fixed cash expenses | 64.88 |
| Total, cash expenses | 195.59 |
| ===== | |
| Receipts less cash expenses | -47.27 |
| Capital replacement | 23.18 |
| Receipts less cash expenses and replacement | -70.45 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 130.71 |
| General farm overhead | 20.12 |
| Taxes and insurance | 15.34 |
| Capital replacement | 23.18 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.42 |
| Return to other nonland capital | 4.02 |
| Net land rent | 32.81 |
| Unpaid labor | 19.64 |
| Total, economic costs | 248.23 |
| Residual returns to management and risk | -99.91 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.93 |
| Yield (bu./planted acre) | 74.67 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 20--California hard red winter wheat
(after crop) production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 133.93 |
| Total | 133.93 |
| ===== | |
| Cash expenses: | |
| Seed | 12.56 |
| Fertilizer | 31.02 |
| Chemicals | 14.81 |
| Custom operations | 9.02 |
| Fuel, lube, and electricity | 4.24 |
| Repairs | 9.79 |
| Hired labor | .86 |
| Miscellaneous | 3.25 |
| Technical services | .15 |
| Total, variable cash expenses | 85.70 |
| General farm overhead | 27.98 |
| Taxes and insurance | 9.83 |
| Interest | 40.93 |
| Total, fixed cash expenses | 78.73 |
| Total, cash expenses | 164.43 |
| ===== | |
| Receipts less cash expenses | -30.50 |
| Capital replacement | 23.32 |
| Receipts less cash expenses and replacement | -53.82 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 85.70 |
| General farm overhead | 27.98 |
| Taxes and insurance | 9.83 |
| Capital replacement | 23.32 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.50 |
| Return to other nonland capital | 4.22 |
| Net land rent | 38.05 |
| Unpaid labor | 9.89 |
| Total, economic costs | 201.48 |
| Residual returns to management and risk | -67.55 |
| ===== | |
| Harvest-period price (dollars/bu.) | 2.66 |
| Yield (bu./planted acre) | 50.35 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 21--California hard red winter wheat
(after fallow) production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 110.50 |
| Secondary crop | 1.91 |
| Total | 112.41 |
| <hr/> | |
| Cash expenses: | |
| Seed | 10.00 |
| Fertilizer | 14.81 |
| Chemicals | 7.53 |
| Custom operations | 12.73 |
| Fuel, lube, and electricity | 4.64 |
| Repairs | 12.22 |
| Hired labor | .99 |
| Miscellaneous | 2.29 |
| Total, variable cash expenses | 65.21 |
| General farm overhead | 18.60 |
| Taxes and insurance | 15.79 |
| Interest | 27.21 |
| Total, fixed cash expenses | 61.59 |
| Total, cash expenses | 126.81 |
| <hr/> | |
| Receipts less cash expenses | -14.40 |
| Capital replacement | 23.05 |
| Receipts less cash expenses and replacement | -37.45 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 65.21 |
| General farm overhead | 18.60 |
| Taxes and insurance | 15.79 |
| Capital replacement | 23.05 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.04 |
| Return to other nonland capital | 4.26 |
| Net land rent | 21.46 |
| Unpaid labor | 11.43 |
| Total, economic costs | 161.84 |
| Residual returns to management and risk | -49.43 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.66 |
| Yield (bu./planted acre) | 41.54 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 22--California hard red winter wheat
(irrigated) production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 204.37 |
| Secondary crop | 6.67 |
| Total | 211.04 |
| <hr/> | |
| Cash expenses: | |
| Seed | 12.18 |
| Fertilizer | 45.78 |
| Chemicals | 10.01 |
| Custom operations | 42.55 |
| Fuel, lube, and electricity | 44.89 |
| Repairs | 15.32 |
| Hired labor | 2.43 |
| Purchased irrigation water | 16.39 |
| Miscellaneous | 4.77 |
| Technical services | 1.36 |
| Total, variable cash expenses | 195.68 |
| General farm overhead | 28.84 |
| Taxes and insurance | 16.85 |
| Interest | 42.20 |
| Total, fixed cash expenses | 87.89 |
| Total, cash expenses | 283.57 |
| <hr/> | |
| Receipts less cash expenses | -72.53 |
| Capital replacement | 33.57 |
| Receipts less cash expenses and replacement | -106.10 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 195.68 |
| General farm overhead | 28.84 |
| Taxes and insurance | 16.85 |
| Capital replacement | 33.57 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 4.55 |
| Return to other nonland capital | 6.03 |
| Net land rent | 58.38 |
| Unpaid labor | 28.00 |
| Total, economic costs | 371.89 |
| Residual returns to management and risk | -160.85 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.66 |
| Yield (bu./planted acre) | 76.83 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 23--California (Sacramento Valley)
rice production costs per planted acre

| Item | 1986 |
|---|---------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 281.08 |
| Total | 281.08 |
| ===== | |
| Cash expenses: | |
| Seed | 26.56 |
| Fertilizer | 33.78 |
| Chemicals | 6.00 |
| Custom operations | 59.79 |
| Fuel, lube, and electricity | 18.52 |
| Repairs | 35.59 |
| Hired labor | 20.10 |
| Purchased irrigation water | 25.51 |
| Drying | 50.16 |
| Technical services | 8.28 |
| Total, variable cash expenses | 284.28 |
| General farm overhead | 53.06 |
| Taxes and insurance | 23.50 |
| Interest | 77.64 |
| Total, fixed cash expenses | 154.21 |
| Total, cash expenses | 438.49 |
| Receipts less cash expenses | -157.41 |
| Capital replacement | 63.45 |
| Receipts less cash expenses and replacement | -220.86 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 284.28 |
| General farm overhead | 53.06 |
| Taxes and insurance | 23.50 |
| Capital replacement | 63.45 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 5.60 |
| Return to other nonland capital | 12.00 |
| Net land rent | 48.78 |
| Unpaid labor | 34.21 |
| Total, economic costs | 524.89 |
| Residual returns to management and risk | -243.81 |
| ===== | |
| Harvest-period price (dollars/cwt.) | 3.68 |
| Yield (cwt./planted acre) | 76.38 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 24--California cotton (irrigated)
production costs per planted acre

| Item | 1986 |
|---|----------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 620.47 |
| Secondary crop | 81.47 |
| Total | 701.94 |
| ===== | |
| Cash expenses: | |
| Seed | 10.35 |
| Fertilizer | 45.47 |
| Lime and gypsum | 2.38 |
| Chemicals | 60.72 |
| Custom operations | 56.73 |
| Fuel, lube, and electricity | 41.68 |
| Repairs | 23.02 |
| Hired labor | 23.92 |
| Purchased irrigation water | 37.57 |
| Ginning | 110.64 |
| Miscellaneous | 4.14 |
| Technical services | 3.30 |
| Total, variable cash expenses | 419.92 |
| General farm overhead | 79.99 |
| Taxes and insurance | 22.44 |
| Interest | 117.04 |
| Total, fixed cash expenses | 219.47 |
| Total, cash expenses | 639.39 |
| Receipts less cash expenses | 62.55 |
| Capital replacement | 55.93 |
| Receipts less cash expenses and replacement | 6.62 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 419.92 |
| General farm overhead | 79.99 |
| Taxes and insurance | 22.44 |
| Capital replacement | 55.93 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 7.53 |
| Return to other nonland capital | 9.57 |
| Net land rent | 122.12 |
| Unpaid labor | 46.43 |
| Total, economic costs | 763.93 |
| Residual returns to management and risk | -61.99 |
| ===== | |
| Harvest-period price (dollars/lb.) | .59 |
| Yield (lbs./planted acre) | 1,058.82 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 25--Colorado corn (irrigated)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 219.36 |
| Total | 219.36 |
| <hr/> | |
| Cash expenses: | |
| Seed | 23.60 |
| Fertilizer | 31.64 |
| Chemicals | 20.91 |
| Custom operations | 12.74 |
| Fuel, lube, and electricity | 39.92 |
| Repairs | 21.85 |
| Hired labor | 3.95 |
| Purchased irrigation water | 9.08 |
| Drying | 1.15 |
| Miscellaneous | .50 |
| Technical services | .36 |
| Total, variable cash expenses | 165.71 |
| General farm overhead | 30.43 |
| Taxes and insurance | 14.10 |
| Interest | 50.62 |
| Total, fixed cash expenses | 95.15 |
| Total, cash expenses | 260.86 |
| <hr/> | |
| Receipts less cash expenses | |
| Capital replacement | -41.50 |
| Receipts less cash expenses and replacement | 49.49 |
| | -90.99 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 165.71 |
| General farm overhead | 30.43 |
| Taxes and insurance | 14.10 |
| Capital replacement | 49.49 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 4.06 |
| Return to other nonland capital | 9.35 |
| Net land rent | 11.66 |
| Unpaid labor | 31.98 |
| Total, economic costs | 316.77 |
| <hr/> | |
| Residual returns to management and risk | -97.41 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.60 |
| Yield (bu./planted acre) | 137.10 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 26--Colorado sorghum (dryland)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 33.98 |
| Total | 33.98 |
| <hr/> | |
| Cash expenses: | |
| Seed | 2.50 |
| Fertilizer | 7.12 |
| Chemicals | 2.06 |
| Custom operations | .77 |
| Fuel, lube, and electricity | 2.18 |
| Repairs | 5.17 |
| Hired labor | 1.07 |
| Miscellaneous | .06 |
| Total, variable cash expenses | 20.94 |
| General farm overhead | 4.19 |
| Taxes and insurance | 4.27 |
| Interest | 6.97 |
| Total, fixed cash expenses | 15.44 |
| Total, cash expenses | 36.37 |
| <hr/> | |
| Receipts less cash expenses | |
| Capital replacement | -2.39 |
| Receipts less cash expenses and replacement | 18.69 |
| | -21.08 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 20.94 |
| General farm overhead | 4.19 |
| Taxes and insurance | 4.27 |
| Capital replacement | 18.69 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .53 |
| Return to other nonland capital | 3.11 |
| Net land rent | 8.42 |
| Unpaid labor | 6.60 |
| Total, economic costs | 66.75 |
| <hr/> | |
| Residual returns to management and risk | -32.77 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.37 |
| Yield (bu./planted acre) | 24.80 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 27--Colorado sorghum (irrigated)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 93.24 |
| Total | 93.24 |
| ===== | |
| Cash expenses: | |
| Seed | 6.94 |
| Fertilizer | 13.68 |
| Chemicals | 7.91 |
| Custom operations | 6.64 |
| Fuel, lube, and electricity | 15.22 |
| Repairs | 11.83 |
| Hired labor | 2.54 |
| Purchased irrigation water | 7.53 |
| Miscellaneous | .17 |
| Technical services | .99 |
| Total, variable cash expenses | 73.46 |
| General farm overhead | 12.13 |
| Taxes and insurance | 9.60 |
| Interest | 20.19 |
| Total, fixed cash expenses | 41.92 |
| Total, cash expenses | 115.38 |
| Receipts less cash expenses | -22.14 |
| Capital replacement | 29.66 |
| Receipts less cash expenses and replacement | -51.80 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 73.46 |
| General farm overhead | 12.13 |
| Taxes and insurance | 9.60 |
| Capital replacement | 29.66 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.61 |
| Return to other nonland capital | 5.42 |
| Net land rent | 15.56 |
| Unpaid labor | 15.62 |
| Total, economic costs | 163.06 |
| Residual returns to management and risk | -69.82 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.37 |
| Yield (bu./planted acre) | 68.06 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 28--Colorado barley (after fallow)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 51.69 |
| Total | 51.69 |
| ===== | |
| Cash expenses: | |
| Seed | 3.23 |
| Fertilizer | 3.10 |
| Chemicals | 1.20 |
| Custom operations | 4.60 |
| Fuel, lube, and electricity | 2.86 |
| Repairs | 6.78 |
| Hired labor | 1.25 |
| Total, variable cash expenses | 23.02 |
| General farm overhead | 7.44 |
| Taxes and insurance | 6.58 |
| Interest | 12.37 |
| Total, fixed cash expenses | 26.38 |
| Total, cash expenses | 49.40 |
| Receipts less cash expenses | 2.29 |
| Capital replacement | 20.51 |
| Receipts less cash expenses and replacement | -18.22 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 23.02 |
| General farm overhead | 7.44 |
| Taxes and insurance | 6.58 |
| Capital replacement | 20.51 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .57 |
| Return to other nonland capital | 3.50 |
| Net land rent | 14.66 |
| Unpaid labor | 8.35 |
| Total, economic costs | 84.63 |
| Residual returns to management and risk | -32.94 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.76 |
| Yield (bu./planted acre) | 29.37 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 29--Colorado barley (irrigated)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 132.32 |
| Secondary crop | 5.88 |
| Total | 138.20 |
| <hr/> | |
| Cash expenses: | |
| Seed | 6.26 |
| Fertilizer | 21.93 |
| Chemicals | 10.58 |
| Custom operations | 22.83 |
| Fuel, lube, and electricity | 30.60 |
| Repairs | 18.15 |
| Hired labor | 2.61 |
| Purchased irrigation water | 4.12 |
| Miscellaneous | .74 |
| Technical services | .11 |
| Total, variable cash expenses | 117.93 |
| General farm overhead | 20.18 |
| Taxes and insurance | 11.15 |
| Interest | 33.58 |
| Total, fixed cash expenses | 64.91 |
| Total, cash expenses | 182.85 |
| Receipts less cash expenses | -44.65 |
| Capital replacement | 37.75 |
| Receipts less cash expenses and replacement | -82.40 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 117.93 |
| General farm overhead | 20.18 |
| Taxes and insurance | 11.15 |
| Capital replacement | 37.75 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.44 |
| Return to other nonland capital | 7.08 |
| Net land rent | 15.43 |
| Unpaid labor | 17.48 |
| Total, economic costs | 228.44 |
| Residual returns to management and risk | -90.24 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.76 |
| Yield (bu./planted acre) | 75.18 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 30--Colorado hard red winter wheat
(after crop) production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 49.38 |
| Secondary crop | .64 |
| Total | 50.02 |
| <hr/> | |
| Cash expenses: | |
| Seed | 3.85 |
| Fertilizer | 2.18 |
| Chemicals | .48 |
| Custom operations | .87 |
| Fuel, lube, and electricity | 2.59 |
| Repairs | 5.94 |
| Hired labor | .58 |
| Total, variable cash expenses | 16.49 |
| General farm overhead | 5.31 |
| Taxes and insurance | 5.44 |
| Interest | 8.83 |
| Total, fixed cash expenses | 19.58 |
| Total, cash expenses | 36.08 |
| Receipts less cash expenses | 13.94 |
| Capital replacement | 16.19 |
| Receipts less cash expenses and replacement | -2.25 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 16.49 |
| General farm overhead | 5.31 |
| Taxes and insurance | 5.44 |
| Capital replacement | 16.19 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .63 |
| Return to other nonland capital | 3.32 |
| Net land rent | 14.23 |
| Unpaid labor | 6.72 |
| Total, economic costs | 68.33 |
| Residual returns to management and risk | -18.31 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.06 |
| Yield (bu./planted acre) | 23.97 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 31--Colorado hard red winter wheat
(after fallow) production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 56.03 |
| Secondary crop | 1.39 |
| Total | 57.42 |
| <hr/> | |
| Cash expenses: | |
| Seed | 3.14 |
| Fertilizer | 3.98 |
| Chemicals | .85 |
| Custom operations | 9.00 |
| Fuel, lube, and electricity | 2.69 |
| Repairs | 6.28 |
| Hired labor | .73 |
| Miscellaneous | .25 |
| Total, variable cash expenses | 26.92 |
| General farm overhead | 9.23 |
| Taxes and insurance | 5.93 |
| Interest | 15.35 |
| Total, fixed cash expenses | 30.50 |
| Total, cash expenses | 57.42 |
| <hr/> | |
| Receipts less cash expenses | 0 |
| Capital replacement | 17.28 |
| Receipts less cash expenses and replacement | -17.28 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 26.92 |
| General farm overhead | 9.23 |
| Taxes and insurance | 5.93 |
| Capital replacement | 17.28 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .92 |
| Return to other nonland capital | 2.93 |
| Net land rent | 15.24 |
| Unpaid labor | 8.40 |
| Total, economic costs | 86.84 |
| Residual returns to management and risk | -29.42 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.06 |
| Yield (bu./planted acre) | 27.20 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 32--Colorado hard red winter wheat
(irrigated) production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 86.89 |
| Secondary crop | 19.72 |
| Total | 106.61 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.34 |
| Fertilizer | 15.42 |
| Chemicals | .72 |
| Custom operations | 8.59 |
| Fuel, lube, and electricity | 24.50 |
| Repairs | 13.75 |
| Hired labor | 1.57 |
| Purchased irrigation water | 3.23 |
| Miscellaneous | .80 |
| Technical services | .12 |
| Total, variable cash expenses | 74.04 |
| General farm overhead | 14.14 |
| Taxes and insurance | 9.49 |
| Interest | 23.52 |
| Total, fixed cash expenses | 47.15 |
| Total, cash expenses | 121.19 |
| <hr/> | |
| Receipts less cash expenses | -14.58 |
| Capital replacement | 31.92 |
| Receipts less cash expenses and replacement | -46.50 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 74.04 |
| General farm overhead | 14.14 |
| Taxes and insurance | 9.49 |
| Capital replacement | 31.92 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.34 |
| Return to other nonland capital | 5.56 |
| Net land rent | 7.96 |
| Unpaid labor | 18.06 |
| Total, economic costs | 163.51 |
| Residual returns to management and risk | -56.90 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.06 |
| Yield (bu./planted acre) | 53.00 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 33--Florida peanuts production costs
per planted acre

| Item | 1986 |
|---|----------|
| <u>Dollars</u> | |
| Cash receipts: | |
| Primary crop | 612.00 |
| Secondary crop | 5.86 |
| Total | 617.86 |
| ===== | |
| Cash expenses: | |
| Seed | 65.41 |
| Fertilizer | 21.67 |
| Lime and gypsum | 19.15 |
| Chemicals | 91.03 |
| Custom operations | 9.60 |
| Fuel, lube, and electricity | 13.40 |
| Repairs | 16.22 |
| Hired labor | 11.48 |
| Drying | 37.03 |
| Miscellaneous | 1.16 |
| Technical services | 1.49 |
| Total, variable cash expenses | 287.64 |
| General farm overhead | 24.45 |
| Taxes and insurance | 12.79 |
| Interest | 65.45 |
| Total, fixed cash expenses | 102.69 |
| Total, cash expenses | 390.33 |
| ===== | |
| Receipts less cash expenses | 227.53 |
| Capital replacement | 44.15 |
| Receipts less cash expenses and replacement | 183.38 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 287.64 |
| General farm overhead | 24.45 |
| Taxes and insurance | 12.79 |
| Capital replacement | 44.15 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 6.76 |
| Return to other nonland capital | 7.97 |
| Net land rent | 60.25 |
| Unpaid labor | 38.43 |
| Total, economic costs | 482.44 |
| ===== | |
| Residual returns to management and risk | 135.42 |
| ===== | |
| Harvest-period price (dollars/lb.) | .250 |
| Yield (lbs./planted acre) | 2,467.74 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 34--Georgia corn production costs
per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 96.00 |
| Total | 96.00 |
| ===== | |
| Cash expenses: | |
| Seed | 12.49 |
| Fertilizer | 51.43 |
| Lime and gypsum | 4.66 |
| Chemicals | 15.35 |
| Custom operations | 10.14 |
| Fuel, lube, and electricity | 7.61 |
| Repairs | 10.83 |
| Hired labor | 1.91 |
| Drying | 1.06 |
| Miscellaneous | .08 |
| Technical services | .19 |
| Total, variable cash expenses | 115.76 |
| General farm overhead | 7.83 |
| Taxes and insurance | 7.97 |
| Interest | 20.96 |
| Total, fixed cash expenses | 36.76 |
| Total, cash expenses | 152.52 |
| ===== | |
| Receipts less cash expenses | -56.52 |
| Capital replacement | 21.75 |
| Receipts less cash expenses and replacement | -78.27 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 115.76 |
| General farm overhead | 7.83 |
| Taxes and insurance | 7.97 |
| Capital replacement | 21.75 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 3.03 |
| Return to other nonland capital | 3.87 |
| Net land rent | 17.74 |
| Unpaid labor | 15.49 |
| Total, economic costs | 193.43 |
| ===== | |
| Residual returns to management and risk | -97.43 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.95 |
| Yield (bu./planted acre) | 49.23 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 35--Georgia soft red winter wheat
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 56.30 |
| Secondary crop | .52 |
| Total | 56.82 |
| <hr/> | |
| Cash expenses: | |
| Seed | 9.22 |
| Fertilizer | 32.68 |
| Lime and gypsum | 4.66 |
| Chemicals | 3.35 |
| Custom operations | 9.03 |
| Fuel, lube, and electricity | 4.71 |
| Repairs | 7.24 |
| Hired labor | .97 |
| Miscellaneous | .16 |
| Technical services | .12 |
| Total, variable cash expenses | 72.15 |
| <hr/> | |
| General farm overhead | 3.25 |
| Taxes and insurance | 5.34 |
| Interest | 8.70 |
| Total, fixed cash expenses | 17.29 |
| Total, cash expenses | 89.44 |
| <hr/> | |
| Receipts less cash expenses | -32.62 |
| Capital replacement | 16.08 |
| Receipts less cash expenses and replacement | -48.70 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 72.15 |
| General farm overhead | 3.25 |
| Taxes and insurance | 5.34 |
| Capital replacement | 16.08 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.12 |
| Return to other nonland capital | 2.73 |
| Net land rent | 12.29 |
| Unpaid labor | 11.21 |
| Total, economic costs | 125.17 |
| <hr/> | |
| Residual returns to management and risk | -68.35 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.34 |
| Yield (bu./planted acre) | 24.06 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 36--Georgia soybeans production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 58.14 |
| Total | 58.14 |
| <hr/> | |
| Cash expenses: | |
| Seed | 7.58 |
| Fertilizer | 18.53 |
| Lime and gypsum | 4.43 |
| Chemicals | 27.92 |
| Custom operations | 6.09 |
| Fuel, lube, and electricity | 5.25 |
| Repairs | 7.36 |
| Hired labor | 1.87 |
| Miscellaneous | .02 |
| Technical services | .34 |
| Total, variable cash expenses | 79.39 |
| <hr/> | |
| General farm overhead | 4.87 |
| Taxes and insurance | 6.10 |
| Interest | 13.03 |
| Total, fixed cash expenses | 24.00 |
| Total, cash expenses | 103.39 |
| <hr/> | |
| Receipts less cash expenses | -45.25 |
| Capital replacement | 15.94 |
| Receipts less cash expenses and replacement | -61.19 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 79.39 |
| General farm overhead | 4.87 |
| Taxes and insurance | 6.10 |
| Capital replacement | 15.94 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.24 |
| Return to other nonland capital | 2.75 |
| Net land rent | 14.95 |
| Unpaid labor | 12.51 |
| Total, economic costs | 138.75 |
| <hr/> | |
| Residual returns to management and risk | -80.61 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 4.75 |
| Yield (bu./planted acre) | 12.24 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 37--Georgia peanuts production costs
per planted acre

| Item | 1986 |
|---|----------|
| <u>Dollars</u> | |
| Cash receipts: | |
| Primary crop | 634.73 |
| Secondary crop | 12.95 |
| Total | 647.68 |
| Cash expenses: | |
| Seed | 71.28 |
| Fertilizer | 19.46 |
| Lime and gypsum | 17.64 |
| Chemicals | 111.70 |
| Custom operations | 5.29 |
| Fuel, lube, and electricity | 11.78 |
| Repairs | 16.31 |
| Hired labor | 7.33 |
| Drying | 29.14 |
| Miscellaneous | .27 |
| Technical services | 1.31 |
| Total, variable cash expenses | 291.51 |
| General farm overhead | 27.17 |
| Taxes and insurance | 12.64 |
| Interest | 72.71 |
| Total, fixed cash expenses | 112.52 |
| Total, cash expenses | 404.02 |
| Receipts less cash expenses | 243.66 |
| Capital replacement | 48.67 |
| Receipts less cash expenses and replacement | 194.99 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 291.51 |
| General farm overhead | 27.17 |
| Taxes and insurance | 12.64 |
| Capital replacement | 48.67 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 6.88 |
| Return to other nonland capital | 8.88 |
| Net land rent | 79.45 |
| Unpaid labor | 24.54 |
| Total, economic costs | 499.73 |
| Residual returns to management and risk | 147.95 |
| Harvest-period price (dollars/lb.) | .26 |
| Yield (lbs./planted acre) | 2,413.43 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 38--Georgia cotton production costs
per planted acre

| Item | 1986 |
|---|---------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 219.31 |
| Secondary crop | 31.73 |
| Total | 251.04 |
| Cash expenses: | |
| Seed | 6.64 |
| Fertilizer | 34.60 |
| Lime and gypsum | 3.96 |
| Chemicals | 124.71 |
| Custom operations | 10.97 |
| Fuel, lube, and electricity | 12.75 |
| Repairs | 19.91 |
| Hired labor | 8.87 |
| Ginning | 38.53 |
| Miscellaneous | .06 |
| Technical services | 3.11 |
| Total, variable cash expenses | 264.12 |
| General farm overhead | 14.08 |
| Taxes and insurance | 13.03 |
| Interest | 37.70 |
| Total, fixed cash expenses | 64.81 |
| Total, cash expenses | 328.93 |
| Receipts less cash expenses | -77.89 |
| Capital replacement | 53.78 |
| Receipts less cash expenses and replacement | -131.67 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 264.12 |
| General farm overhead | 14.08 |
| Taxes and insurance | 13.03 |
| Capital replacement | 53.78 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 4.43 |
| Return to other nonland capital | 9.45 |
| Net land rent | 24.05 |
| Unpaid labor | 17.23 |
| Total, economic costs | 400.16 |
| Residual returns to management and risk | -149.12 |
| Harvest-period price (dollars/lb.) | .51 |
| Yield (lbs./planted acre) | 426.67 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 39--Idaho barley (after crop)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 95.99 |
| Secondary crop | 1.60 |
| Total | 97.59 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.73 |
| Fertilizer | 12.76 |
| Chemicals | 7.16 |
| Custom operations | .82 |
| Fuel, lube, and electricity | 2.96 |
| Repairs | 8.84 |
| Hired labor | .96 |
| Miscellaneous | .25 |
| Total, variable cash expenses | 39.48 |
| General farm overhead | 9.65 |
| Taxes and insurance | 7.64 |
| Interest | 16.05 |
| Total, fixed cash expenses | 33.34 |
| Total, cash expenses | 72.82 |
| <hr/> | |
| Receipts less cash expenses | 24.77 |
| Capital replacement | 21.59 |
| Receipts less cash expenses and replacement | 3.18 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 39.48 |
| General farm overhead | 9.65 |
| Taxes and insurance | 7.64 |
| Capital replacement | 21.59 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .55 |
| Return to other nonland capital | 3.96 |
| Net land rent | 27.92 |
| Unpaid labor | 6.45 |
| Total, economic costs | 117.24 |
| Residual returns to management and risk | -19.65 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.10 |
| Yield (bu./planted acre) | 45.71 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 40--Idaho barley (after fallow)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 84.59 |
| Secondary crop | 1.38 |
| Total | 85.97 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.14 |
| Fertilizer | 10.41 |
| Chemicals | 3.20 |
| Custom operations | 4.79 |
| Fuel, lube, and electricity | 3.70 |
| Repairs | 8.35 |
| Hired labor | 1.27 |
| Miscellaneous | .35 |
| Technical services | .12 |
| Total, variable cash expenses | 37.33 |
| General farm overhead | 8.29 |
| Taxes and insurance | 8.47 |
| Interest | 13.79 |
| Total, fixed cash expenses | 30.55 |
| Total, cash expenses | 67.89 |
| <hr/> | |
| Receipts less cash expenses | 18.08 |
| Capital replacement | 19.84 |
| Receipts less cash expenses and replacement | -1.76 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 37.33 |
| General farm overhead | 8.29 |
| Taxes and insurance | 8.47 |
| Capital replacement | 19.84 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .69 |
| Return to other nonland capital | 3.58 |
| Net land rent | 26.38 |
| Unpaid labor | 8.53 |
| Total, economic costs | 113.12 |
| Residual returns to management and risk | -27.15 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.10 |
| Yield (bu./planted acre) | 40.28 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 41--Idaho barley (irrigated)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 168.02 |
| Secondary crop | 9.39 |
| Total | 177.41 |
| <hr/> | |
| Cash expenses: | |
| Seed | 8.05 |
| Fertilizer | 21.86 |
| Chemicals | 5.85 |
| Custom operations | 6.83 |
| Fuel, lube, and electricity | 19.28 |
| Repairs | 18.09 |
| Hired labor | 2.70 |
| Purchased irrigation water | 8.82 |
| Miscellaneous | 1.40 |
| Technical services | .14 |
| Total, variable cash expenses | 93.03 |
| <hr/> | |
| General farm overhead | 17.72 |
| Taxes and insurance | 13.44 |
| Interest | 29.48 |
| Total, fixed cash expenses | 60.64 |
| Total, cash expenses | 153.67 |
| <hr/> | |
| Receipts less cash expenses | 23.74 |
| Capital replacement | 39.10 |
| Receipts less cash expenses and replacement | -15.36 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 93.03 |
| General farm overhead | 17.72 |
| Taxes and insurance | 13.44 |
| Capital replacement | 39.10 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.35 |
| Return to other nonland capital | 7.14 |
| Net land rent | 37.48 |
| Unpaid labor | 18.09 |
| Total, economic costs | 227.34 |
| <hr/> | |
| Residual returns to management and risk | -49.93 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.10 |
| Yield (bu./planted acre) | 80.01 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 42--Idaho hard red winter wheat
(after fallow) production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 94.57 |
| Total | 94.57 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.59 |
| Fertilizer | 4.78 |
| Chemicals | 1.64 |
| Custom operations | 1.63 |
| Fuel, lube, and electricity | 3.54 |
| Repairs | 9.33 |
| Hired labor | .75 |
| Total, variable cash expenses | 27.26 |
| <hr/> | |
| General farm overhead | 9.78 |
| Taxes and insurance | 8.18 |
| Interest | 16.28 |
| Total, fixed cash expenses | 34.24 |
| Total, cash expenses | 61.51 |
| <hr/> | |
| Receipts less cash expenses | 33.06 |
| Capital replacement | 18.62 |
| Receipts less cash expenses and replacement | 14.44 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 27.26 |
| General farm overhead | 9.78 |
| Taxes and insurance | 8.18 |
| Capital replacement | 18.62 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.16 |
| Return to other nonland capital | 3.45 |
| Net land rent | 28.83 |
| Unpaid labor | 8.68 |
| Total, economic costs | 105.96 |
| <hr/> | |
| Residual returns to management and risk | -11.39 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.28 |
| Yield (bu./planted acre) | 41.48 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 43--Idaho hard red winter wheat
(irrigated) production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 211.90 |
| Secondary crop | 4.70 |
| Total | 216.60 |
| <hr/> | |
| Cash expenses: | |
| Seed | 10.68 |
| Fertilizer | 42.34 |
| Chemicals | 6.69 |
| Custom operations | 6.43 |
| Fuel, lube, and electricity | 21.62 |
| Repairs | 15.00 |
| Hired labor | 1.95 |
| Purchased irrigation water | 11.58 |
| Miscellaneous | .83 |
| Technical services | .09 |
| Total, variable cash expenses | 117.21 |
| General farm overhead | 21.80 |
| Taxes and insurance | 12.18 |
| Interest | 36.26 |
| Total, fixed cash expenses | 70.24 |
| Total, cash expenses | 187.45 |
| <hr/> | |
| Receipts less cash expenses | 29.15 |
| Capital replacement | 33.04 |
| Receipts less cash expenses and replacement | -3.89 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 117.21 |
| General farm overhead | 21.80 |
| Taxes and insurance | 12.18 |
| Capital replacement | 33.04 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 4.96 |
| Return to other nonland capital | 6.25 |
| Net land rent | 33.28 |
| Unpaid labor | 22.43 |
| Total, economic costs | 251.15 |
| Residual returns to management and risk | -34.55 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.28 |
| Yield (bu./planted acre) | 92.94 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 44--Idaho white wheat (after crop)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 100.68 |
| Secondary crop | 2.46 |
| Total | 103.14 |
| <hr/> | |
| Cash expenses: | |
| Seed | 6.57 |
| Fertilizer | 23.31 |
| Chemicals | 15.31 |
| Custom operations | 2.37 |
| Fuel, lube, and electricity | 3.28 |
| Repairs | 8.72 |
| Hired labor | .62 |
| Miscellaneous | .49 |
| Total, variable cash expenses | 60.67 |
| General farm overhead | 15.45 |
| Taxes and insurance | 8.48 |
| Interest | 25.70 |
| Total, fixed cash expenses | 49.63 |
| Total, cash expenses | 110.31 |
| <hr/> | |
| Receipts less cash expenses | -7.17 |
| Capital replacement | 20.84 |
| Receipts less cash expenses and replacement | -28.01 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 60.67 |
| General farm overhead | 15.45 |
| Taxes and insurance | 8.48 |
| Capital replacement | 20.84 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.89 |
| Return to other nonland capital | 3.97 |
| Net land rent | 23.72 |
| Unpaid labor | 7.11 |
| Total, economic costs | 142.13 |
| Residual returns to management and risk | -38.99 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.33 |
| Yield (bu./planted acre) | 43.21 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

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Appendix table 45--Idaho white wheat (after fallow)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 92.34 |
| Total | 92.34 |
| <hr/> | |
| Cash expenses: | |
| Seed | 6.26 |
| Fertilizer | 22.40 |
| Chemicals | 11.43 |
| Custom operations | 4.10 |
| Fuel, lube, and electricity | 4.84 |
| Repairs | 11.71 |
| Hired labor | .95 |
| Technical services | .30 |
| Total, variable cash expenses | 61.99 |
| General farm overhead | 17.51 |
| Taxes and insurance | 14.14 |
| Interest | 29.13 |
| Total, fixed cash expenses | 60.78 |
| Total, cash expenses | 122.77 |
| <hr/> | |
| Receipts less cash expenses | -30.43 |
| Capital replacement | 27.24 |
| Receipts less cash expenses and replacement | -57.67 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 61.99 |
| General farm overhead | 17.51 |
| Taxes and insurance | 14.14 |
| Capital replacement | 27.24 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.05 |
| Return to other nonland capital | 5.27 |
| Net land rent | 29.86 |
| Unpaid labor | 10.94 |
| Total, economic costs | 169.00 |
| Residual returns to management and risk | -76.66 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.33 |
| Yield (bu./planted acre) | 39.63 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 46--Idaho white wheat (irrigated)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 175.87 |
| Secondary crop | 3.36 |
| Total | 179.23 |
| <hr/> | |
| Cash expenses: | |
| Seed | 9.73 |
| Fertilizer | 36.55 |
| Chemicals | 12.58 |
| Custom operations | 6.93 |
| Fuel, lube, and electricity | 29.21 |
| Repairs | 14.06 |
| Hired labor | 2.29 |
| Purchased irrigation water | 4.83 |
| Miscellaneous | .52 |
| Technical services | .25 |
| Total, variable cash expenses | 116.95 |
| General farm overhead | 21.86 |
| Taxes and insurance | 13.75 |
| Interest | 36.36 |
| Total, fixed cash expenses | 71.97 |
| Total, cash expenses | 188.92 |
| <hr/> | |
| Receipts less cash expenses | -9.69 |
| Capital replacement | 37.41 |
| Receipts less cash expenses and replacement | -47.10 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 116.95 |
| General farm overhead | 21.86 |
| Taxes and insurance | 13.75 |
| Capital replacement | 37.41 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.94 |
| Return to other nonland capital | 6.69 |
| Net land rent | 31.26 |
| Unpaid labor | 26.35 |
| Total, economic costs | 256.21 |
| Residual returns to management and risk | -76.98 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.33 |
| Yield (bu./planted acre) | 75.48 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 47--Idaho hard red spring wheat
(irrigated) production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 174.27 |
| Secondary crop | 1.79 |
| Total | 176.06 |
| Cash expenses: | |
| Seed | 9.51 |
| Fertilizer | 36.00 |
| Chemicals | 13.06 |
| Custom operations | 7.66 |
| Fuel, lube, and electricity | 37.75 |
| Repairs | 15.29 |
| Hired labor | 2.31 |
| Purchased irrigation water | 8.68 |
| Miscellaneous | .25 |
| Technical services | .19 |
| Total, variable cash expenses | 130.69 |
| General farm overhead | 20.54 |
| Taxes and insurance | 12.52 |
| Interest | 34.17 |
| Total, fixed cash expenses | 67.23 |
| Total, cash expenses | 197.92 |
| Receipts less cash expenses | -21.86 |
| Capital replacement | 40.30 |
| Receipts less cash expenses and replacement | -62.16 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 130.69 |
| General farm overhead | 20.54 |
| Taxes and insurance | 12.52 |
| Capital replacement | 40.30 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.02 |
| Return to other nonland capital | 7.16 |
| Net land rent | 23.79 |
| Unpaid labor | 26.53 |
| Total, economic costs | 263.56 |
| Residual returns to management and risk | -87.50 |
| Harvest-period price (dollars/bu.) | 2.30 |
| Yield (bu./planted acre) | 75.77 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 48--Illinois corn production costs
per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 186.93 |
| Total | 186.93 |
| Cash expenses: | |
| Seed | 17.49 |
| Fertilizer | 58.91 |
| Lime and gypsum | 2.16 |
| Chemicals | 19.73 |
| Custom operations | 9.24 |
| Fuel, lube, and electricity | 5.71 |
| Repairs | 9.94 |
| Hired labor | 1.45 |
| Drying | 6.30 |
| Miscellaneous | .10 |
| Technical services | 3.80 |
| Total, variable cash expenses | 134.83 |
| General farm overhead | 12.60 |
| Taxes and insurance | 24.12 |
| Interest | 37.15 |
| Total, fixed cash expenses | 73.87 |
| Total, cash expenses | 208.71 |
| Receipts less cash expenses | -21.78 |
| Capital replacement | 35.07 |
| Receipts less cash expenses and replacement | -56.85 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 134.83 |
| General farm overhead | 12.60 |
| Taxes and insurance | 24.12 |
| Capital replacement | 35.07 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 3.34 |
| Return to other nonland capital | 6.51 |
| Net land rent | 26.85 |
| Unpaid labor | 11.75 |
| Total, economic costs | 255.07 |
| Residual returns to management and risk | -68.14 |
| Harvest-period price (dollars/bu.) | 1.39 |
| Yield (bu./planted acre) | 134.48 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 49--Illinois oats production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 9.37 |
| Secondary crop | 32.94 |
| Total | 42.31 |
| <hr/> | |
| Cash expenses: | |
| Seed | 7.69 |
| Fertilizer | 9.71 |
| Lime and gypsum | 1.90 |
| Chemicals | .26 |
| Custom operations | .95 |
| Fuel, lube, and electricity | 2.85 |
| Repairs | 3.04 |
| Hired labor | .75 |
| Miscellaneous | .12 |
| Total, variable cash expenses | 27.28 |
| General farm overhead | 5.46 |
| Taxes and insurance | 20.37 |
| Interest | 16.10 |
| Total, fixed cash expenses | 41.93 |
| Total, cash expenses | 69.21 |
| <hr/> | |
| Receipts less cash expenses | -26.90 |
| Capital replacement | 10.03 |
| Receipts less cash expenses and replacement | -36.93 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 27.28 |
| General farm overhead | 5.46 |
| Taxes and insurance | 20.37 |
| Capital replacement | 10.03 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .48 |
| Return to other nonland capital | 2.28 |
| Net land rent | 11.95 |
| Unpaid labor | 7.63 |
| Total, economic costs | 85.48 |
| Residual returns to management and risk | -43.17 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | .95 |
| Yield (bu./planted acre) | 9.86 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 50--Illinois soft red winter wheat
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 64.38 |
| Secondary crop | 7.39 |
| Total | 71.77 |
| <hr/> | |
| Cash expenses: | |
| Seed | 11.12 |
| Fertilizer | 39.41 |
| Lime and gypsum | 5.97 |
| Chemicals | .54 |
| Custom operations | 4.63 |
| Fuel, lube, and electricity | 3.58 |
| Repairs | 4.46 |
| Hired labor | .81 |
| Miscellaneous | .76 |
| Total, variable cash expenses | 71.28 |
| General farm overhead | 7.39 |
| Taxes and insurance | 14.35 |
| Interest | 21.77 |
| Total, fixed cash expenses | 43.51 |
| Total, cash expenses | 114.79 |
| <hr/> | |
| Receipts less cash expenses | -43.02 |
| Capital replacement | 18.78 |
| Receipts less cash expenses and replacement | -61.80 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 71.28 |
| General farm overhead | 7.39 |
| Taxes and insurance | 14.35 |
| Capital replacement | 18.78 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.57 |
| Return to other nonland capital | 3.45 |
| Unpaid labor | 9.32 |
| Total, economic costs | 127.14 |
| Residual returns to management and risk | -55.37 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.32 |
| Yield (bu./planted acre) | 27.75 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 51--Illinois soybeans production
costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 184.58 |
| Total | 184.58 |
| <hr/> | |
| Cash expenses: | |
| Seed | 8.84 |
| Fertilizer | 6.33 |
| Lime and gypsum | 1.27 |
| Chemicals | 19.56 |
| Custom operations | 3.93 |
| Fuel, lube, and electricity | 4.43 |
| Repairs | 6.09 |
| Hired labor | 1.44 |
| Miscellaneous | .95 |
| Technical services | .08 |
| Total, variable cash expenses | 52.91 |
| General farm overhead | 11.54 |
| Taxes and insurance | 20.75 |
| Interest | 34.03 |
| Total, fixed cash expenses | 66.32 |
| Total, cash expenses | 119.24 |
| <hr/> | |
| Receipts less cash expenses | 65.34 |
| Capital replacement | 25.70 |
| Receipts less cash expenses and replacement | 39.64 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 52.91 |
| General farm overhead | 11.54 |
| Taxes and insurance | 20.75 |
| Capital replacement | 25.70 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.20 |
| Return to other nonland capital | 4.51 |
| Net land rent | 53.31 |
| Unpaid labor | 9.62 |
| Total, economic costs | 179.55 |
| Residual returns to management and risk | 5.03 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 4.64 |
| Yield (bu./planted acre) | 39.78 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 52--Indiana corn production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 169.90 |
| Total | 169.90 |
| <hr/> | |
| Cash expenses: | |
| Seed | 16.87 |
| Fertilizer | 53.78 |
| Lime and gypsum | .89 |
| Chemicals | 19.96 |
| Custom operations | 4.72 |
| Fuel, lube, and electricity | 5.39 |
| Repairs | 9.66 |
| Hired labor | 1.56 |
| Drying | 5.54 |
| Miscellaneous | .04 |
| Technical services | .35 |
| Total, variable cash expenses | 118.76 |
| General farm overhead | 11.77 |
| Taxes and insurance | 17.17 |
| Interest | 34.68 |
| Total, fixed cash expenses | 63.62 |
| Total, cash expenses | 182.38 |
| <hr/> | |
| Receipts less cash expenses | -12.48 |
| Capital replacement | 33.62 |
| Receipts less cash expenses and replacement | -46.10 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 118.76 |
| General farm overhead | 11.77 |
| Taxes and insurance | 17.17 |
| Capital replacement | 33.62 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.98 |
| Return to other nonland capital | 6.20 |
| Net land rent | 38.90 |
| Unpaid labor | 12.63 |
| Total, economic costs | 242.03 |
| Residual returns to management and risk | -72.13 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.40 |
| Yield (bu./planted acre) | 121.36 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 53--Indiana oats production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 15.98 |
| Secondary crop | 10.31 |
| Total | 26.29 |
| <hr/> | |
| Cash expenses: | |
| Seed | 7.24 |
| Fertilizer | 19.81 |
| Lime and gypsum | .63 |
| Chemicals | .71 |
| Custom operations | 1.46 |
| Fuel, lube, and electricity | 2.78 |
| Repairs | 3.77 |
| Hired labor | 1.00 |
| Miscellaneous | .44 |
| Technical services | .07 |
| Total, variable cash expenses | 37.91 |
| <hr/> | |
| General farm overhead | 5.19 |
| Taxes and insurance | 13.15 |
| Interest | 15.29 |
| Total, fixed cash expenses | 33.62 |
| <hr/> | |
| Total, cash expenses | 71.53 |
| <hr/> | |
| Receipts less cash expenses | -45.24 |
| Capital replacement | 12.24 |
| Receipts less cash expenses and replacement | -57.48 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 37.91 |
| General farm overhead | 5.19 |
| Taxes and insurance | 13.15 |
| Capital replacement | 12.24 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .60 |
| Return to other nonland capital | 2.50 |
| Net land rent | 7.01 |
| Unpaid labor | 10.06 |
| Total, economic costs | 88.66 |
| <hr/> | |
| Residual returns to management and risk | -62.37 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.00 |
| Yield (bu./planted acre) | 15.98 |
| <hr/> | |

All costs and returns are preliminary as of 08/01/87.

Appendix table 54--Indiana soft red winter wheat
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 77.92 |
| Secondary crop | 11.12 |
| Total | 89.04 |
| <hr/> | |
| Cash expenses: | |
| Seed | 11.19 |
| Fertilizer | 33.63 |
| Chemicals | .30 |
| Custom operations | 7.69 |
| Fuel, lube, and electricity | 3.95 |
| Repairs | 5.14 |
| Hired labor | .95 |
| Miscellaneous | 1.57 |
| Technical services | .21 |
| Total, variable cash expenses | 64.63 |
| <hr/> | |
| General farm overhead | 7.89 |
| Taxes and insurance | 14.16 |
| Interest | 23.25 |
| Total, fixed cash expenses | 45.30 |
| <hr/> | |
| Total, cash expenses | 109.93 |
| <hr/> | |
| Receipts less cash expenses | -20.89 |
| Capital replacement | 19.84 |
| Receipts less cash expenses and replacement | -40.73 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 64.63 |
| General farm overhead | 7.89 |
| Taxes and insurance | 14.16 |
| Capital replacement | 19.84 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.15 |
| Return to other nonland capital | 3.81 |
| Net land rent | 16.22 |
| Unpaid labor | 10.89 |
| Total, economic costs | 139.59 |
| <hr/> | |
| Residual returns to management and risk | -50.55 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.33 |
| Yield (bu./planted acre) | 33.44 |
| <hr/> | |

All costs and returns are preliminary as of 08/01/87.

Appendix table 55--Indiana soybeans production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 172.78 |
| Total | 172.78 |
| <hr/> | |
| Cash expenses: | |
| Seed | 8.15 |
| Fertilizer | 8.13 |
| Lime and gypsum | 1.02 |
| Chemicals | 17.70 |
| Custom operations | 2.50 |
| Fuel, lube, and electricity | 4.31 |
| Repairs | 6.16 |
| Hired labor | 1.36 |
| Technical services | .43 |
| Total, variable cash expenses | 49.76 |
| General farm overhead | 11.90 |
| Taxes and insurance | 15.40 |
| Interest | 35.08 |
| Total, fixed cash expenses | 62.38 |
| Total, cash expenses | 112.14 |
| <hr/> | |
| Receipts less cash expenses | 60.64 |
| Capital replacement | 25.53 |
| Receipts less cash expenses and replacement | 35.11 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 49.76 |
| General farm overhead | 11.90 |
| Taxes and insurance | 15.40 |
| Capital replacement | 25.53 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.18 |
| Return to other nonland capital | 4.50 |
| Net land rent | 56.29 |
| Unpaid labor | 9.11 |
| Total, economic costs | 173.67 |
| Residual returns to management and risk | -.89 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 4.60 |
| Yield (bu./planted acre) | 37.56 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 56--Iowa corn production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 166.71 |
| Total | 166.71 |
| <hr/> | |
| Cash expenses: | |
| Seed | 17.64 |
| Fertilizer | 44.96 |
| Lime and gypsum | 1.02 |
| Chemicals | 21.04 |
| Custom operations | 5.31 |
| Fuel, lube, and electricity | 7.00 |
| Repairs | 10.58 |
| Hired labor | 1.58 |
| Drying | 6.43 |
| Miscellaneous | .15 |
| Total, variable cash expenses | 115.71 |
| General farm overhead | 13.50 |
| Taxes and insurance | 16.99 |
| Interest | 39.79 |
| Total, fixed cash expenses | 70.28 |
| Total, cash expenses | 185.99 |
| <hr/> | |
| Receipts less cash expenses | -19.28 |
| Capital replacement | 34.83 |
| Receipts less cash expenses and replacement | -54.11 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 115.71 |
| General farm overhead | 13.50 |
| Taxes and insurance | 16.99 |
| Capital replacement | 34.83 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.79 |
| Return to other nonland capital | 6.71 |
| Net land rent | 43.75 |
| Unpaid labor | 12.76 |
| Total, economic costs | 247.04 |
| Residual returns to management and risk | -80.33 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.24 |
| Yield (bu./planted acre) | 134.44 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 57--Iowa oats production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 14.36 |
| Secondary crop | 24.00 |
| Total | 38.36 |
| <hr/> | |
| Cash expenses: | |
| Seed | 6.87 |
| Fertilizer | 7.85 |
| Lime and gypsum | 1.02 |
| Chemicals | .16 |
| Custom operations | 2.34 |
| Fuel, lube, and electricity | 3.95 |
| Repairs | 4.37 |
| Hired labor | .99 |
| Miscellaneous | .60 |
| Technical services | .07 |
| Total, variable cash expenses | 28.22 |
| General farm overhead | 4.38 |
| Taxes and insurance | 14.99 |
| Interest | 12.90 |
| Total, fixed cash expenses | 32.27 |
| Total, cash expenses | 60.49 |
| <hr/> | |
| Receipts less cash expenses | -22.13 |
| Capital replacement | 13.24 |
| Receipts less cash expenses and replacement | -35.37 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 28.22 |
| General farm overhead | 4.38 |
| Taxes and insurance | 14.99 |
| Capital replacement | 13.24 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .45 |
| Return to other nonland capital | 2.85 |
| Net land rent | 17.75 |
| Unpaid labor | 10.05 |
| Total, economic costs | 91.92 |
| <hr/> | |
| Residual returns to management and risk | -53.56 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | .95 |
| Yield (bu./planted acre) | 15.12 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 58--Iowa soybeans production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 182.37 |
| Total | 182.37 |
| <hr/> | |
| Cash expenses: | |
| Seed | 10.03 |
| Fertilizer | 2.01 |
| Lime and gypsum | .76 |
| Chemicals | 17.98 |
| Custom operations | 4.24 |
| Fuel, lube, and electricity | 5.31 |
| Repairs | 6.17 |
| Hired labor | 1.57 |
| Miscellaneous | .12 |
| Total, variable cash expenses | 48.19 |
| General farm overhead | 13.20 |
| Taxes and insurance | 16.49 |
| Interest | 38.90 |
| Total, fixed cash expenses | 68.59 |
| Total, cash expenses | 116.78 |
| <hr/> | |
| Receipts less cash expenses | 65.59 |
| Capital replacement | 28.35 |
| Receipts less cash expenses and replacement | 37.24 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 48.19 |
| General farm overhead | 13.20 |
| Taxes and insurance | 16.49 |
| Capital replacement | 28.35 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.13 |
| Return to other nonland capital | 4.69 |
| Net land rent | 59.50 |
| Unpaid labor | 10.48 |
| Total, economic costs | 182.03 |
| <hr/> | |
| Residual returns to management and risk | .34 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 4.42 |
| Yield (bu./planted acre) | 41.26 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 59--Kansas corn (dryland)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 145.86 |
| Total | 145.86 |
| <hr/> | |
| Cash expenses: | |
| Seed | 14.04 |
| Fertilizer | 32.05 |
| Lime and gypsum | 1.00 |
| Chemicals | 19.99 |
| Custom operations | 4.88 |
| Fuel, lube, and electricity | 4.21 |
| Repairs | 7.86 |
| Hired labor | 1.20 |
| Drying | 1.12 |
| Technical services | .15 |
| Total, variable cash expenses | 86.50 |
| General farm overhead | 6.56 |
| Taxes and insurance | 8.85 |
| Interest | 15.44 |
| Total, fixed cash expenses | 30.85 |
| Total, cash expenses | 117.35 |
| <hr/> | |
| Receipts less cash expenses | 28.51 |
| Capital replacement | 22.10 |
| Receipts less cash expenses and replacement | 6.41 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 86.50 |
| General farm overhead | 6.56 |
| Taxes and insurance | 8.85 |
| Capital replacement | 22.10 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.23 |
| Return to other nonland capital | 4.52 |
| Net land rent | 36.67 |
| Unpaid labor | 9.68 |
| Total, economic costs | 177.11 |
| Residual returns to management and risk | -31.25 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.49 |
| Yield (bu./planted acre) | 97.89 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 60--Kansas corn (irrigated)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 221.70 |
| Total | 221.70 |
| <hr/> | |
| Cash expenses: | |
| Seed | 18.51 |
| Fertilizer | 41.53 |
| Chemicals | 33.10 |
| Custom operations | 9.03 |
| Fuel, lube, and electricity | 68.89 |
| Repairs | 26.22 |
| Hired labor | 2.89 |
| Drying | 3.67 |
| Miscellaneous | .04 |
| Technical services | 1.99 |
| Total, variable cash expenses | 205.87 |
| General farm overhead | 22.97 |
| Taxes and insurance | 14.81 |
| Interest | 54.05 |
| Total, fixed cash expenses | 91.83 |
| Total, cash expenses | 297.70 |
| <hr/> | |
| Receipts less cash expenses | -76.00 |
| Capital replacement | 58.27 |
| Receipts less cash expenses and replacement | -134.27 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 205.87 |
| General farm overhead | 22.97 |
| Taxes and insurance | 14.81 |
| Capital replacement | 58.27 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 4.82 |
| Return to other nonland capital | 11.70 |
| Net land rent | 27.26 |
| Unpaid labor | 23.37 |
| Total, economic costs | 369.07 |
| Residual returns to management and risk | -147.37 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.49 |
| Yield (bu./planted acre) | 148.79 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 61--Kansas sorghum (dryland)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 81.52 |
| Total | 81.52 |
| <hr/> | |
| Cash expenses: | |
| Seed | 2.86 |
| Fertilizer | 13.94 |
| Chemicals | 10.13 |
| Custom operations | 2.36 |
| Fuel, lube, and electricity | 4.28 |
| Repairs | 8.61 |
| Hired labor | 1.47 |
| Drying | .25 |
| Miscellaneous | .10 |
| Technical services | .15 |
| Total, variable cash expenses | 44.15 |
| <hr/> | |
| General farm overhead | 5.27 |
| Taxes and insurance | 9.53 |
| Interest | 12.41 |
| Total, fixed cash expenses | 27.21 |
| Total, cash expenses | 71.36 |
| <hr/> | |
| Receipts less cash expenses | 10.16 |
| Capital replacement | 25.44 |
| Receipts less cash expenses and replacement | -15.28 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 44.15 |
| General farm overhead | 5.27 |
| Taxes and insurance | 9.53 |
| Capital replacement | 25.44 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.10 |
| Return to other nonland capital | 5.09 |
| Net land rent | 20.14 |
| Unpaid labor | 9.01 |
| Total, economic costs | 119.73 |
| <hr/> | |
| Residual returns to management and risk | -38.21 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.29 |
| Yield (bu./planted acre) | 63.19 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 62--Kansas sorghum (irrigated)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 136.46 |
| Total | 136.46 |
| <hr/> | |
| Cash expenses: | |
| Seed | 4.01 |
| Fertilizer | 27.13 |
| Chemicals | 15.27 |
| Custom operations | 4.89 |
| Fuel, lube, and electricity | 48.24 |
| Repairs | 22.19 |
| Hired labor | 2.93 |
| Drying | .33 |
| Miscellaneous | .43 |
| Technical services | 1.21 |
| Total, variable cash expenses | 126.64 |
| <hr/> | |
| General farm overhead | 12.39 |
| Taxes and insurance | 13.61 |
| Interest | 29.15 |
| Total, fixed cash expenses | 55.15 |
| Total, cash expenses | 181.79 |
| <hr/> | |
| Receipts less cash expenses | -45.33 |
| Capital replacement | 56.19 |
| Receipts less cash expenses and replacement | -101.52 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 126.64 |
| General farm overhead | 12.39 |
| Taxes and insurance | 13.61 |
| Capital replacement | 56.19 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.57 |
| Return to other nonland capital | 10.22 |
| Net land rent | 1.69 |
| Unpaid labor | 18.03 |
| Total, economic costs | 241.33 |
| <hr/> | |
| Residual returns to management and risk | -104.87 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.29 |
| Yield (bu./planted acre) | 105.78 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 63--Kansas oats production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 33.17 |
| Secondary crop | 6.49 |
| Total | 39.66 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.46 |
| Fertilizer | 10.53 |
| Chemicals | .17 |
| Custom operations | 1.24 |
| Fuel, lube, and electricity | 2.98 |
| Repairs | 5.30 |
| Hired labor | .81 |
| Miscellaneous | .48 |
| Total, variable cash expenses | 26.97 |
| General farm overhead | 5.13 |
| Taxes and insurance | 6.51 |
| Interest | 12.06 |
| Total, fixed cash expenses | 23.70 |
| Total, cash expenses | 50.68 |
| <hr/> | |
| Receipts less cash expenses | -11.02 |
| Capital replacement | 12.65 |
| Receipts less cash expenses and replacement | -23.67 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 26.97 |
| General farm overhead | 5.13 |
| Taxes and insurance | 6.51 |
| Capital replacement | 12.65 |
| Allocated returns to owned inputs: | .45 |
| Return to operating capital | 2.58 |
| Return to other nonland capital | 8.80 |
| Net land rent | 8.20 |
| Unpaid labor | 71.29 |
| Total, economic costs | -31.63 |
| <hr/> | |
| Residual returns to management and risk | .86 |
| Harvest-period price (dollars/bu.) | 38.57 |
| Yield (bu./planted acre) | |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 64--Kansas hard red winter wheat
(after crop) production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 52.67 |
| Secondary crop | 2.36 |
| Total | 55.03 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.43 |
| Fertilizer | 17.41 |
| Lime and gypsum | 1.81 |
| Chemicals | 1.55 |
| Custom operations | 4.20 |
| Fuel, lube, and electricity | 3.62 |
| Repairs | 6.85 |
| Hired labor | .71 |
| Miscellaneous | .26 |
| Technical services | .09 |
| Total, variable cash expenses | 41.93 |
| General farm overhead | 7.76 |
| Taxes and insurance | 7.42 |
| Interest | 18.27 |
| Total, fixed cash expenses | 33.45 |
| Total, cash expenses | 75.38 |
| <hr/> | |
| Receipts less cash expenses | -20.35 |
| Capital replacement | 19.34 |
| Receipts less cash expenses and replacement | -39.69 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 41.93 |
| General farm overhead | 7.76 |
| Taxes and insurance | 7.42 |
| Capital replacement | 19.34 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.51 |
| Return to other nonland capital | 3.66 |
| Net land rent | 11.42 |
| Unpaid labor | 8.17 |
| Total, economic costs | 101.21 |
| <hr/> | |
| Residual returns to management and risk | -46.18 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.14 |
| Yield (bu./planted acre) | 24.61 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 65--Kansas hard red winter wheat
(after fallow) production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 63.41 |
| Secondary crop | .60 |
| Total | 64.01 |
| <hr/> | |
| Cash expenses: | |
| Seed | 3.58 |
| Fertilizer | 5.84 |
| Chemicals | .60 |
| Custom operations | 7.49 |
| Fuel, lube, and electricity | 4.05 |
| Repairs | 6.56 |
| Hired labor | .82 |
| Total, variable cash expenses | 28.94 |
| General farm overhead | 8.56 |
| Taxes and insurance | 9.54 |
| Interest | 20.15 |
| Total, fixed cash expenses | 38.25 |
| Total, cash expenses | 67.19 |
| <hr/> | |
| Receipts less cash expenses | -3.18 |
| Capital replacement | 19.72 |
| Receipts less cash expenses and replacement | -22.90 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 28.94 |
| General farm overhead | 8.56 |
| Taxes and insurance | 9.54 |
| Capital replacement | 19.72 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .97 |
| Return to other nonland capital | 3.38 |
| Net land rent | 15.26 |
| Unpaid labor | 9.47 |
| Total, economic costs | 95.84 |
| Residual returns to management and risk | -31.83 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.14 |
| Yield (bu./planted acre) | 29.63 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 66--Kansas hard red winter wheat
(irrigated) production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 98.44 |
| Secondary crop | 2.62 |
| Total | 101.06 |
| <hr/> | |
| Cash expenses: | |
| Seed | 4.66 |
| Fertilizer | 16.55 |
| Chemicals | .47 |
| Custom operations | 9.51 |
| Fuel, lube, and electricity | 35.54 |
| Repairs | 14.05 |
| Hired labor | 1.11 |
| Miscellaneous | .88 |
| Technical services | .70 |
| Total, variable cash expenses | 83.48 |
| General farm overhead | 11.10 |
| Taxes and insurance | 9.60 |
| Interest | 26.13 |
| Total, fixed cash expenses | 46.83 |
| Total, cash expenses | 130.30 |
| <hr/> | |
| Receipts less cash expenses | -29.24 |
| Capital replacement | 31.62 |
| Receipts less cash expenses and replacement | -60.86 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 83.48 |
| General farm overhead | 11.10 |
| Taxes and insurance | 9.60 |
| Capital replacement | 31.62 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.16 |
| Return to other nonland capital | 5.58 |
| Net land rent | 12.81 |
| Unpaid labor | 12.80 |
| Total, economic costs | 169.14 |
| Residual returns to management and risk | -68.08 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.14 |
| Yield (bu./planted acre) | 46.00 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 67--Kansas soybeans production costs
per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 142.40 |
| Total | 142.40 |
| <hr/> | |
| Cash expenses: | |
| Seed | 7.14 |
| Fertilizer | 1.95 |
| Lime and gypsum | .20 |
| Chemicals | 13.26 |
| Custom operations | 2.16 |
| Fuel, lube, and electricity | 3.68 |
| Repairs | 6.23 |
| Hired labor | 1.18 |
| Total, variable cash expenses | 35.80 |
| General farm overhead | 7.15 |
| Taxes and insurance | 7.23 |
| Interest | 16.82 |
| Total, fixed cash expenses | 31.19 |
| Total, cash expenses | 67.00 |
| <hr/> | |
| Receipts less cash expenses | 75.40 |
| Capital replacement | 17.01 |
| Receipts less cash expenses and replacement | 58.39 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 35.80 |
| General farm overhead | 7.15 |
| Taxes and insurance | 7.23 |
| Capital replacement | 17.01 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .82 |
| Return to other nonland capital | 3.55 |
| Net land rent | 43.30 |
| Unpaid labor | 7.91 |
| Total, economic costs | 122.77 |
| Residual returns to management and risk | 19.63 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 4.45 |
| Yield (bu./planted acre) | 32.00 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 68--Kentucky corn production costs
per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 175.26 |
| Total | 175.26 |
| <hr/> | |
| Cash expenses: | |
| Seed | 15.87 |
| Fertilizer | 57.37 |
| Lime and gypsum | 4.51 |
| Chemicals | 12.15 |
| Custom operations | 5.24 |
| Fuel, lube, and electricity | 6.79 |
| Repairs | 10.26 |
| Hired labor | 2.28 |
| Drying | 4.83 |
| Technical services | .19 |
| Total, variable cash expenses | 119.49 |
| General farm overhead | 9.26 |
| Taxes and insurance | 7.39 |
| Interest | 14.12 |
| Total, fixed cash expenses | 30.78 |
| Total, cash expenses | 150.26 |
| <hr/> | |
| Receipts less cash expenses | 25.00 |
| Capital replacement | 26.43 |
| Receipts less cash expenses and replacement | -1.43 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 119.49 |
| General farm overhead | 9.26 |
| Taxes and insurance | 7.39 |
| Capital replacement | 26.43 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.58 |
| Return to other nonland capital | 4.84 |
| Net land rent | 40.12 |
| Unpaid labor | 18.42 |
| Total, economic costs | 228.53 |
| Residual returns to management and risk | -53.27 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.93 |
| Yield (bu./planted acre) | 90.81 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 69—Kentucky soft red winter wheat
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | Dollars |
| Secondary crop | 50.63 |
| Total | 5.91 |
| | 56.54 |
| <hr/> | |
| Cash expenses: | |
| Seed | 10.22 |
| Fertilizer | 33.97 |
| Lime and gypsum | 2.25 |
| Chemicals | .78 |
| Custom operations | 6.31 |
| Fuel, lube, and electricity | 3.83 |
| Repairs | 5.25 |
| Hired labor | .80 |
| Miscellaneous | .31 |
| Technical services | .31 |
| Total, variable cash expenses | 64.02 |
| <hr/> | |
| General farm overhead | 5.36 |
| Taxes and insurance | 4.66 |
| Interest | 8.16 |
| Total, fixed cash expenses | 18.18 |
| Total, cash expenses | 82.21 |
| <hr/> | |
| Receipts less cash expenses | -25.67 |
| Capital replacement | 19.11 |
| Receipts less cash expenses and replacement | -44.78 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 64.02 |
| General farm overhead | 5.36 |
| Taxes and insurance | 4.66 |
| Capital replacement | 19.11 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.17 |
| Return to other nonland capital | 3.12 |
| Net land rent | 14.72 |
| Unpaid labor | 9.15 |
| Total, economic costs | 122.32 |
| <hr/> | |
| Residual returns to management and risk | -65.78 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.50 |
| Yield (bu./planted acre) | 20.25 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 70—Kentucky soybeans
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | Dollars |
| Total | 152.57 |
| | 152.57 |
| <hr/> | |
| Cash expenses: | |
| Seed | 8.41 |
| Fertilizer | 16.12 |
| Lime and gypsum | 2.41 |
| Chemicals | 26.03 |
| Custom operations | 2.08 |
| Fuel, lube, and electricity | 4.40 |
| Repairs | 6.62 |
| Hired labor | 1.90 |
| Miscellaneous | .27 |
| Technical services | .05 |
| Total, variable cash expenses | 68.29 |
| <hr/> | |
| General farm overhead | 7.20 |
| Taxes and insurance | 5.35 |
| Interest | 10.96 |
| Total, fixed cash expenses | 23.51 |
| Total, cash expenses | 91.80 |
| <hr/> | |
| Receipts less cash expenses | 60.77 |
| Capital replacement | 22.96 |
| Receipts less cash expenses and replacement | 37.81 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 68.29 |
| General farm overhead | 7.20 |
| Taxes and insurance | 5.35 |
| Capital replacement | 22.96 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.62 |
| Return to other nonland capital | 3.52 |
| Net land rent | 41.29 |
| Unpaid labor | 12.73 |
| Total, economic costs | 162.95 |
| <hr/> | |
| Residual returns to management and risk | -10.38 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 4.89 |
| Yield (bu./planted acre) | 31.20 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 71--Louisiana soft red winter wheat
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 84.23 |
| Total | 84.23 |
| <hr/> | |
| Cash expenses: | |
| Seed | 11.97 |
| Fertilizer | 23.85 |
| Chemicals | 2.79 |
| Custom operations | 6.06 |
| Fuel, lube, and electricity | 2.94 |
| Repairs | 5.00 |
| Hired labor | .61 |
| Miscellaneous | 1.63 |
| Technical services | .09 |
| Total, variable cash expenses | 54.94 |
| General farm overhead | 5.72 |
| Taxes and insurance | 4.17 |
| Interest | 9.31 |
| Total, fixed cash expenses | 19.20 |
| Total, cash expenses | 74.14 |
| <hr/> | |
| Receipts less cash expenses | 10.09 |
| Capital replacement | 16.21 |
| Receipts less cash expenses and replacement | -6.12 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 54.94 |
| General farm overhead | 5.72 |
| Taxes and insurance | 4.17 |
| Capital replacement | 16.21 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.69 |
| Return to other nonland capital | 2.59 |
| Net land rent | 20.34 |
| Unpaid labor | 6.98 |
| Total, economic costs | 112.65 |
| Residual returns to management and risk | -28.42 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.75 |
| Yield (bu./planted acre) | 30.63 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 72--Louisiana (Southwest) rice
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 175.81 |
| Total | 175.81 |
| <hr/> | |
| Cash expenses: | |
| Seed | 26.52 |
| Fertilizer | 34.26 |
| Chemicals | 7.04 |
| Custom operations | 37.11 |
| Fuel, lube, and electricity | 9.28 |
| Repairs | 22.84 |
| Hired labor | 15.23 |
| Purchased irrigation water | 48.61 |
| Drying | 39.92 |
| Technical services | .92 |
| Total, variable cash expenses | 241.73 |
| General farm overhead | 15.93 |
| Taxes and insurance | 9.09 |
| Interest | 25.93 |
| Total, fixed cash expenses | 50.95 |
| Total, cash expenses | 292.68 |
| <hr/> | |
| Receipts less cash expenses | -116.87 |
| Capital replacement | 30.82 |
| Receipts less cash expenses and replacement | -147.69 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 241.73 |
| General farm overhead | 15.93 |
| Taxes and insurance | 9.09 |
| Capital replacement | 30.82 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 3.59 |
| Return to other nonland capital | 6.65 |
| Net land rent | 33.01 |
| Unpaid labor | 25.93 |
| Total, economic costs | 366.75 |
| Residual returns to management and risk | -190.94 |
| <hr/> | |
| Harvest-period price (dollars/cwt.) | 3.95 |
| Yield (cwt./planted acre) | 44.51 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 73--Louisiana soybeans
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 91.34 |
| Total | 91.34 |
| <hr/> | |
| Cash expenses: | |
| Seed | 14.41 |
| Fertilizer | 5.15 |
| Chemicals | 31.14 |
| Custom operations | 2.69 |
| Fuel, lube, and electricity | 4.05 |
| Repairs | 6.62 |
| Hired labor | 1.33 |
| Miscellaneous | .63 |
| Technical services | .12 |
| Total, variable cash expenses | 66.14 |
| General farm overhead | 6.92 |
| Taxes and insurance | 5.87 |
| Interest | 11.25 |
| Total, fixed cash expenses | 24.04 |
| Total, cash expenses | 90.18 |
| <hr/> | |
| Receipts less cash expenses | 1.16 |
| Capital replacement | 25.47 |
| Receipts less cash expenses and replacement | -24.31 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 66.14 |
| General farm overhead | 6.92 |
| Taxes and insurance | 5.87 |
| Capital replacement | 25.47 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.61 |
| Return to other nonland capital | 3.93 |
| Net land rent | 21.05 |
| Unpaid labor | 8.93 |
| Total, economic costs | 139.91 |
| Residual returns to management and risk | -48.57 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 4.66 |
| Yield (bu./planted acre) | 19.60 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 74--Louisiana cotton production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 246.49 |
| Secondary crop | 28.82 |
| Total | 275.31 |
| <hr/> | |
| Cash expenses: | |
| Seed | 8.59 |
| Fertilizer | 24.36 |
| Lime and gypsum | .48 |
| Chemicals | 86.91 |
| Custom operations | 11.73 |
| Fuel, lube, and electricity | 8.43 |
| Repairs | 20.97 |
| Hired labor | 7.27 |
| Ginning | 41.32 |
| Miscellaneous | 3.68 |
| Technical services | 3.27 |
| Total, variable cash expenses | 217.01 |
| General farm overhead | 20.65 |
| Taxes and insurance | 9.89 |
| Interest | 33.59 |
| Total, fixed cash expenses | 64.12 |
| Total, cash expenses | 281.13 |
| <hr/> | |
| Receipts less cash expenses | -5.82 |
| Capital replacement | 49.12 |
| Receipts less cash expenses and replacement | -54.94 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 217.01 |
| General farm overhead | 20.65 |
| Taxes and insurance | 9.89 |
| Capital replacement | 49.12 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 3.41 |
| Return to other nonland capital | 8.49 |
| Net land rent | 46.26 |
| Unpaid labor | 14.12 |
| Total, economic costs | 368.94 |
| Residual returns to management and risk | -93.63 |
| <hr/> | |
| Harvest-period price (dollars/lb.) | .440 |
| Yield (lbs./planted acre) | 562.76 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 75--Maryland corn production costs
per planted acre

| Item | 1986 |
|---|---------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 130.28 |
| Total | 130.28 |
| ===== | |
| Cash expenses: | |
| Seed | 16.12 |
| Fertilizer | 37.61 |
| Lime and gypsum | 8.21 |
| Chemicals | 19.41 |
| Custom operations | 9.56 |
| Fuel, lube, and electricity | 6.39 |
| Repairs | 10.16 |
| Hired labor | 1.97 |
| Drying | 3.19 |
| Miscellaneous | .48 |
| Technical services | .06 |
| Total, variable cash expenses | 113.17 |
| General farm overhead | 22.23 |
| Taxes and insurance | 13.63 |
| Interest | 34.20 |
| Total, fixed cash expenses | 70.06 |
| Total, cash expenses | 183.23 |
| ===== | |
| Receipts less cash expenses | -52.95 |
| Capital replacement | 25.57 |
| Receipts less cash expenses and replacement | -78.52 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 113.17 |
| General farm overhead | 22.23 |
| Taxes and insurance | 13.63 |
| Capital replacement | 25.57 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.44 |
| Return to other nonland capital | 5.49 |
| Net land rent | 44.07 |
| Unpaid labor | 15.98 |
| Total, economic costs | 242.57 |
| Residual returns to management and risk | -112.29 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.80 |
| Yield (bu./planted acre) | 72.38 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 76--Michigan corn production costs
per planted acre

| Item | 1986 |
|---|---------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 150.41 |
| Total | 150.41 |
| ===== | |
| Cash expenses: | |
| Seed | 16.15 |
| Fertilizer | 48.91 |
| Lime and gypsum | .63 |
| Chemicals | 18.13 |
| Custom operations | 8.29 |
| Fuel, lube, and electricity | 5.40 |
| Repairs | 8.19 |
| Hired labor | 1.23 |
| Drying | 4.14 |
| Miscellaneous | .46 |
| Technical services | .14 |
| Total, variable cash expenses | 111.67 |
| General farm overhead | 18.37 |
| Taxes and insurance | 31.04 |
| Interest | 59.20 |
| Total, fixed cash expenses | 108.61 |
| Total, cash expenses | 220.28 |
| ===== | |
| Receipts less cash expenses | -69.87 |
| Capital replacement | 31.47 |
| Receipts less cash expenses and replacement | -101.34 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 111.67 |
| General farm overhead | 18.37 |
| Taxes and insurance | 31.04 |
| Capital replacement | 31.47 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.78 |
| Return to other nonland capital | 6.15 |
| Net land rent | 16.38 |
| Unpaid labor | 9.95 |
| Total, economic costs | 227.81 |
| Residual returns to management and risk | -77.40 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.45 |
| Yield (bu./planted acre) | 103.73 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 77--Michigan oats production costs
per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 42.79 |
| Secondary crop | 7.74 |
| Total | 50.53 |
| ===== | |
| Cash expenses: | |
| Seed | 5.51 |
| Fertilizer | 21.54 |
| Lime and gypsum | 2.03 |
| Chemicals | 1.25 |
| Custom operations | 4.67 |
| Fuel, lube, and electricity | 4.93 |
| Repairs | 7.05 |
| Hired labor | 1.28 |
| Miscellaneous | .63 |
| Technical services | .21 |
| Total, variable cash expenses | 49.10 |
| ===== | |
| General farm overhead | 5.97 |
| Taxes and insurance | 28.82 |
| Interest | 18.52 |
| Total, fixed cash expenses | 53.31 |
| ===== | |
| Total, cash expenses | 102.41 |
| ===== | |
| Receipts less cash expenses | -51.88 |
| Capital replacement | 22.09 |
| Receipts less cash expenses and replacement | -73.97 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 49.10 |
| General farm overhead | 5.74 |
| Taxes and insurance | 28.82 |
| Capital replacement | 22.09 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .80 |
| Return to other nonland capital | 4.58 |
| Net land rent | 1.95 |
| Unpaid labor | 12.99 |
| Total, economic costs | 126.30 |
| ===== | |
| Residual returns to management and risk | -75.77 |
| ===== | |
| Harvest-period price (dollars/bu.) | .83 |
| Yield (bu./planted acre) | 51.55 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 78--Michigan soft red winter wheat
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 105.00 |
| Secondary crop | 13.17 |
| Total | 118.17 |
| ===== | |
| Cash expenses: | |
| Seed | 11.74 |
| Fertilizer | 33.53 |
| Lime and gypsum | 1.78 |
| Chemicals | 1.22 |
| Custom operations | 5.26 |
| Fuel, lube, and electricity | 5.11 |
| Repairs | 7.53 |
| Hired labor | .90 |
| Miscellaneous | .44 |
| Technical services | .21 |
| Total, variable cash expenses | 67.73 |
| ===== | |
| General farm overhead | 10.01 |
| Taxes and insurance | 30.99 |
| Interest | 32.28 |
| Total, fixed cash expenses | 73.29 |
| ===== | |
| Total, cash expenses | 141.01 |
| ===== | |
| Receipts less cash expenses | -22.84 |
| Capital replacement | 25.05 |
| Receipts less cash expenses and replacement | -47.89 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 67.73 |
| General farm overhead | 10.01 |
| Taxes and insurance | 30.99 |
| Capital replacement | 25.05 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.51 |
| Return to other nonland capital | 5.06 |
| Net land rent | 8.47 |
| Unpaid labor | 10.40 |
| Total, economic costs | 160.23 |
| ===== | |
| Residual returns to management and risk | -42.06 |
| ===== | |
| Harvest-period price (dollars/bu.) | 2.34 |
| Yield (bu./planted acre) | 44.87 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 79--Michigan soybeans
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 138.32 |
| Total | 138.32 |
| <hr/> | |
| Cash expenses: | |
| Seed | 8.83 |
| Fertilizer | 19.96 |
| Lime and gypsum | .63 |
| Chemicals | 19.24 |
| Custom operations | 4.02 |
| Fuel, lube, and electricity | 4.71 |
| Repairs | 6.29 |
| Hired labor | 1.29 |
| Total, variable cash expenses | 64.97 |
| General farm overhead | 15.49 |
| Taxes and insurance | 30.54 |
| Interest | 49.93 |
| Total, fixed cash expenses | 95.96 |
| Total, cash expenses | 160.93 |
| <hr/> | |
| Receipts less cash expenses | -22.61 |
| Capital replacement | 24.50 |
| Receipts less cash expenses and replacement | -47.11 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 64.97 |
| General farm overhead | 15.49 |
| Taxes and insurance | 30.54 |
| Capital replacement | 24.50 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.49 |
| Return to other nonland capital | 4.56 |
| Net land rent | 21.77 |
| Unpaid labor | 8.61 |
| Total, economic costs | 171.93 |
| Residual returns to management and risk | -33.61 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 4.55 |
| Yield (bu./planted acre) | 30.40 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 80--Minnesota corn production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 153.41 |
| Total | 153.41 |
| <hr/> | |
| Cash expenses: | |
| Seed | 17.44 |
| Fertilizer | 37.32 |
| Lime and gypsum | .63 |
| Chemicals | 20.41 |
| Custom operations | 5.18 |
| Fuel, lube, and electricity | 4.95 |
| Repairs | 8.42 |
| Hired labor | 1.23 |
| Drying | 8.02 |
| Miscellaneous | .14 |
| Technical services | .30 |
| Total, variable cash expenses | 104.04 |
| General farm overhead | 15.82 |
| Taxes and insurance | 13.26 |
| Interest | 51.02 |
| Total, fixed cash expenses | 80.11 |
| Total, cash expenses | 184.15 |
| <hr/> | |
| Receipts less cash expenses | -30.74 |
| Capital replacement | 33.58 |
| Receipts less cash expenses and replacement | -64.32 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 104.04 |
| General farm overhead | 15.82 |
| Taxes and insurance | 13.26 |
| Capital replacement | 33.58 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.56 |
| Return to other nonland capital | 6.40 |
| Net land rent | 46.11 |
| Unpaid labor | 9.94 |
| Total, economic costs | 231.72 |
| Residual returns to management and risk | -78.31 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.29 |
| Yield (bu./planted acre) | 118.92 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 81--Minnesota barley production costs
per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 50.87 |
| Secondary crop | 4.51 |
| Total | 55.38 |
| Cash expenses: | |
| Seed | 4.98 |
| Fertilizer | 18.78 |
| Chemicals | 8.72 |
| Custom operations | 1.24 |
| Fuel, lube, and electricity | 3.90 |
| Repairs | 7.20 |
| Hired labor | 1.12 |
| Miscellaneous | .27 |
| Technical services | .25 |
| Total, variable cash expenses | 46.46 |
| General farm overhead | 7.20 |
| Taxes and insurance | 9.09 |
| Interest | 23.23 |
| Total, fixed cash expenses | 39.53 |
| Total, cash expenses | 85.99 |
| Receipts less cash expenses | -30.61 |
| Capital replacement | 27.07 |
| Receipts less cash expenses and replacement | -57.68 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 46.46 |
| General farm overhead | 7.20 |
| Taxes and insurance | 9.09 |
| Capital replacement | 27.07 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .66 |
| Return to other nonland capital | 5.19 |
| Net land rent | 21.64 |
| Unpaid labor | 7.51 |
| Total, economic costs | 124.82 |
| Residual returns to management and risk | -69.44 |
| Harvest-period price (dollars/bu.) | 1.11 |
| Yield (bu./planted acre) | 45.83 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 82--Minnesota oats production costs
per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 22.48 |
| Secondary crop | 40.70 |
| Total | 63.18 |
| Cash expenses: | |
| Seed | 5.44 |
| Fertilizer | 6.75 |
| Chemicals | 1.75 |
| Custom operations | 1.79 |
| Fuel, lube, and electricity | 4.41 |
| Repairs | 6.16 |
| Hired labor | 1.10 |
| Miscellaneous | .50 |
| Total, variable cash expenses | 27.91 |
| General farm overhead | 5.45 |
| Taxes and insurance | 10.71 |
| Interest | 17.59 |
| Total, fixed cash expenses | 33.75 |
| Total, cash expenses | 61.66 |
| Receipts less cash expenses | 1.52 |
| Capital replacement | 20.24 |
| Receipts less cash expenses and replacement | -18.72 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 27.91 |
| General farm overhead | 5.45 |
| Taxes and insurance | 10.71 |
| Capital replacement | 20.24 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .61 |
| Return to other nonland capital | 4.24 |
| Net land rent | 14.38 |
| Unpaid labor | 11.18 |
| Total, economic costs | 94.72 |
| Residual returns to management and risk | -31.54 |
| Harvest-period price (dollars/bu.) | .83 |
| Yield (bu./planted acre) | 27.09 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 83--Minnesota hard red spring wheat
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 84.85 |
| Secondary crop | 2.46 |
| Total | 87.31 |
| <hr/> | |
| Cash expenses: | |
| Seed | 8.10 |
| Fertilizer | 21.40 |
| Chemicals | 8.44 |
| Custom operations | 2.37 |
| Fuel, lube, and electricity | 3.74 |
| Repairs | 6.31 |
| Hired labor | .62 |
| Miscellaneous | .28 |
| Technical services | .35 |
| Total, variable cash expenses | 51.60 |
| General farm overhead | 8.23 |
| Taxes and insurance | 8.72 |
| Interest | 26.52 |
| Total, fixed cash expenses | 43.46 |
| Total, cash expenses | 95.07 |
| <hr/> | |
| Receipts less cash expenses | -7.76 |
| Capital replacement | 24.73 |
| Receipts less cash expenses and replacement | -32.49 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 51.60 |
| General farm overhead | 8.23 |
| Taxes and insurance | 8.72 |
| Capital replacement | 24.73 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .77 |
| Return to other nonland capital | 4.46 |
| Net land rent | 28.64 |
| Unpaid labor | 7.09 |
| Total, economic costs | 134.24 |
| Residual returns to management and risk | -46.93 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.38 |
| Yield (bu./planted acre) | 35.65 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 84--Minnesota durum wheat
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 95.48 |
| Secondary crop | 2.46 |
| Total | 97.94 |
| <hr/> | |
| Cash expenses: | |
| Seed | 8.10 |
| Fertilizer | 21.40 |
| Chemicals | 8.44 |
| Custom operations | 2.23 |
| Fuel, lube, and electricity | 3.76 |
| Repairs | 6.35 |
| Hired labor | .62 |
| Miscellaneous | .28 |
| Technical services | .35 |
| Total, variable cash expenses | 51.53 |
| General farm overhead | 7.48 |
| Taxes and insurance | 8.51 |
| Interest | 24.09 |
| Total, fixed cash expenses | 40.08 |
| Total, cash expenses | 91.61 |
| <hr/> | |
| Receipts less cash expenses | 6.33 |
| Capital replacement | 25.02 |
| Receipts less cash expenses and replacement | -18.69 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 51.53 |
| General farm overhead | 7.48 |
| Taxes and insurance | 8.51 |
| Capital replacement | 25.02 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .77 |
| Return to other nonland capital | 4.51 |
| Net land rent | 31.68 |
| Unpaid labor | 7.12 |
| Total, economic costs | 136.61 |
| Residual returns to management and risk | -38.67 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.52 |
| Yield (bu./planted acre) | 37.89 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 85--Minnesota soybeans
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 152.68 |
| Total | 152.68 |
| <hr/> | |
| Cash expenses: | |
| Seed | 7.98 |
| Fertilizer | 3.30 |
| Chemicals | 20.26 |
| Custom operations | 1.24 |
| Fuel, lube, and electricity | 4.14 |
| Repairs | 6.38 |
| Hired labor | 1.56 |
| Total, variable cash expenses | 44.86 |
| General farm overhead | 15.53 |
| Taxes and insurance | 11.75 |
| Interest | 50.06 |
| Total, fixed cash expenses | 77.33 |
| Total, cash expenses | 122.20 |
| <hr/> | |
| Receipts less cash expenses | 30.48 |
| Capital replacement | 29.34 |
| Receipts less cash expenses and replacement | 1.14 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 44.86 |
| General farm overhead | 15.53 |
| Taxes and insurance | 11.75 |
| Capital replacement | 29.34 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.11 |
| Return to other nonland capital | 5.04 |
| Net land rent | 50.54 |
| Unpaid labor | 10.48 |
| Total, economic costs | 168.65 |
| Residual returns to management and risk | -15.97 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 4.39 |
| Yield (bu./planted acre) | 34.78 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 86--Minnesota sunflower
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 105.49 |
| Total | 105.49 |
| <hr/> | |
| Cash expenses: | |
| Seed | 10.11 |
| Fertilizer | 19.19 |
| Chemicals | 13.56 |
| Custom operations | 2.18 |
| Fuel, lube, and electricity | 4.31 |
| Repairs | 6.69 |
| Hired labor | .08 |
| Drying | 3.49 |
| Technical services | .75 |
| Total, variable cash expenses | 60.36 |
| General farm overhead | 8.62 |
| Taxes and insurance | 8.50 |
| Interest | 27.79 |
| Total, fixed cash expenses | 44.91 |
| Total, cash expenses | 105.27 |
| <hr/> | |
| Receipts less cash expenses | .22 |
| Capital replacement | 27.05 |
| Receipts less cash expenses and replacement | -26.83 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 60.36 |
| General farm overhead | 8.62 |
| Taxes and insurance | 8.50 |
| Capital replacement | 27.05 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.28 |
| Return to other nonland capital | 4.74 |
| Net land rent | 24.26 |
| Unpaid labor | 8.04 |
| Total, economic costs | 142.85 |
| Residual returns to management and risk | -37.36 |
| <hr/> | |
| Harvest-period price (dollars/cwt.) | 7.23 |
| Yield (cwt./planted acre) | 14.59 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 87--Minnesota flaxseed
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 55.32 |
| Secondary crop | 19.41 |
| Total | 74.73 |
| <hr/> | |
| Cash expenses: | |
| Seed | 6.37 |
| Fertilizer | 8.44 |
| Chemicals | 5.57 |
| Custom operations | 3.42 |
| Fuel, lube, and electricity | 4.48 |
| Repairs | 7.00 |
| Hired labor | .10 |
| Miscellaneous | .44 |
| Technical services | .06 |
| Total, variable cash expenses | 35.88 |
| General farm overhead | 4.86 |
| Taxes and insurance | 9.27 |
| Interest | 15.66 |
| Total, fixed cash expenses | 29.79 |
| Total, cash expenses | 65.67 |
| <hr/> | |
| Receipts less cash expenses | 9.06 |
| Capital replacement | 27.45 |
| Receipts less cash expenses and replacement | -18.39 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 35.88 |
| General farm overhead | 4.86 |
| Taxes and insurance | 9.27 |
| Capital replacement | 27.45 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .64 |
| Return to other nonland capital | 5.21 |
| Net land rent | 11.44 |
| Unpaid labor | 9.96 |
| Total, economic costs | 104.71 |
| Residual returns to management and risk | -29.98 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 3.56 |
| Yield (bu./planted acre) | 15.54 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 88--Mississippi soft red winter wheat
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 69.44 |
| Total | 69.44 |
| <hr/> | |
| Cash expenses: | |
| Seed | 10.77 |
| Fertilizer | 24.76 |
| Chemicals | 2.79 |
| Custom operations | 5.86 |
| Fuel, lube, and electricity | 3.37 |
| Repairs | 4.86 |
| Hired labor | .60 |
| Miscellaneous | 1.63 |
| Technical services | .09 |
| Total, variable cash expenses | 54.73 |
| General farm overhead | 5.30 |
| Taxes and insurance | 3.46 |
| Interest | 8.63 |
| Total, fixed cash expenses | 17.39 |
| Total, cash expenses | 72.12 |
| <hr/> | |
| Receipts less cash expenses | -2.68 |
| Capital replacement | 15.55 |
| Receipts less cash expenses and replacement | -18.23 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 54.73 |
| General farm overhead | 5.30 |
| Taxes and insurance | 3.46 |
| Capital replacement | 15.55 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.88 |
| Return to other nonland capital | 2.50 |
| Net land rent | 15.12 |
| Unpaid labor | 6.89 |
| Total, economic costs | 105.43 |
| Residual returns to management and risk | -35.99 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.80 |
| Yield (bu./planted acre) | 24.80 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 89--Mississippi Delta (Miss., Ark., La.) rice production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 206.40 |
| Total | 206.40 |
| <hr/> | |
| Cash expenses: | |
| Seed | 23.48 |
| Fertilizer | 34.24 |
| Chemicals | 12.87 |
| Custom operations | 52.17 |
| Fuel, lube, and electricity | 32.80 |
| Repairs | 23.33 |
| Hired labor | 12.58 |
| Drying | 31.62 |
| Technical services | 5.54 |
| Total, variable cash expenses | 228.63 |
| General farm overhead | 15.75 |
| Taxes and insurance | 12.28 |
| Interest | 25.63 |
| Total, fixed cash expenses | 53.66 |
| Total, cash expenses | 282.29 |
| <hr/> | |
| Receipts less cash expenses | -75.89 |
| Capital replacement | 46.98 |
| Receipts less cash expenses and replacement | -122.87 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 228.63 |
| General farm overhead | 15.75 |
| Taxes and insurance | 12.28 |
| Capital replacement | 46.98 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 3.65 |
| Return to other nonland capital | 10.25 |
| Net land rent | 22.70 |
| Unpaid labor | 21.41 |
| Total, economic costs | 361.65 |
| Residual returns to management and risk | -155.25 |
| <hr/> | |
| Harvest-period price (dollars/cwt.) | 3.98 |
| Yield (cwt./planted acre) | 51.86 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 90--Mississippi soybeans production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 82.93 |
| Total | 82.93 |
| <hr/> | |
| Cash expenses: | |
| Seed | 7.74 |
| Fertilizer | 4.74 |
| Lime and gypsum | .81 |
| Chemicals | 21.51 |
| Custom operations | 3.56 |
| Fuel, lube, and electricity | 4.52 |
| Repairs | 6.48 |
| Hired labor | 1.28 |
| Miscellaneous | 2.18 |
| Technical services | 1.23 |
| Total, variable cash expenses | 54.05 |
| General farm overhead | 6.95 |
| Taxes and insurance | 4.98 |
| Interest | 11.30 |
| Total, fixed cash expenses | 23.23 |
| Total, cash expenses | 77.28 |
| <hr/> | |
| Receipts less cash expenses | 5.65 |
| Capital replacement | 21.97 |
| Receipts less cash expenses and replacement | -16.32 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 54.05 |
| General farm overhead | 6.95 |
| Taxes and insurance | 4.98 |
| Capital replacement | 21.97 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.50 |
| Return to other nonland capital | 3.51 |
| Net land rent | 24.63 |
| Unpaid labor | 8.59 |
| Total, economic costs | 126.17 |
| Residual returns to management and risk | -43.24 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 4.89 |
| Yield (bu./planted acre) | 16.96 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 91--Mississippi cotton
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 242.83 |
| Secondary crop | 29.03 |
| Total | 271.86 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.64 |
| Fertilizer | 28.49 |
| Lime and gypsum | 3.54 |
| Chemicals | 108.73 |
| Custom operations | 7.95 |
| Fuel, lube, and electricity | 10.41 |
| Repairs | 21.62 |
| Hired labor | 9.79 |
| Ginning | 45.33 |
| Miscellaneous | 4.05 |
| Technical services | 4.03 |
| Total, variable cash expenses | 249.58 |
| General farm overhead | 26.03 |
| Taxes and insurance | 10.41 |
| Interest | 42.37 |
| Total, fixed cash expenses | 78.81 |
| Total, cash expenses | 328.39 |
| <hr/> | |
| Receipts less cash expenses | -56.53 |
| Capital replacement | 52.08 |
| Receipts less cash expenses and replacement | -108.61 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 249.58 |
| General farm overhead | 26.03 |
| Taxes and insurance | 10.41 |
| Capital replacement | 52.08 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 4.00 |
| Return to other nonland capital | 8.98 |
| Net land rent | 45.08 |
| Unpaid labor | 19.00 |
| Total, economic costs | 415.16 |
| <hr/> | |
| Residual returns to management and risk | -143.30 |
| <hr/> | |
| Harvest-period price (dollars/lb.) | .43 |
| Yield (lbs./planted acre) | 564.71 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 92--Missouri corn production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 146.61 |
| Total | 146.61 |
| <hr/> | |
| Cash expenses: | |
| Seed | 14.76 |
| Fertilizer | 45.39 |
| Lime and gypsum | 1.02 |
| Chemicals | 17.43 |
| Custom operations | 3.59 |
| Fuel, lube, and electricity | 6.63 |
| Repairs | 9.77 |
| Hired labor | 1.48 |
| Drying | 2.70 |
| Technical services | .06 |
| Total, variable cash expenses | 102.83 |
| General farm overhead | 8.37 |
| Taxes and insurance | 9.97 |
| Interest | 24.67 |
| Total, fixed cash expenses | 43.01 |
| Total, cash expenses | 145.84 |
| <hr/> | |
| Receipts less cash expenses | .77 |
| Capital replacement | 33.46 |
| Receipts less cash expenses and replacement | -32.69 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 102.83 |
| General farm overhead | 8.37 |
| Taxes and insurance | 9.97 |
| Capital replacement | 33.46 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.60 |
| Return to other nonland capital | 6.18 |
| Net land rent | 32.57 |
| Unpaid labor | 11.95 |
| Total, economic costs | 207.93 |
| <hr/> | |
| Residual returns to management and risk | -61.32 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.29 |
| Yield (bu./planted acre) | 113.65 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 93--Missouri sorghum production costs
per planted acre

| Item | 1986 |
|---|---------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 85.41 |
| Total | 85.41 |
| ===== | |
| Cash expenses: | |
| Seed | 4.69 |
| Fertilizer | 33.92 |
| Lime and gypsum | 1.40 |
| Chemicals | 11.02 |
| Custom operations | 1.64 |
| Fuel, lube, and electricity | 8.07 |
| Repairs | 10.35 |
| Hired labor | 2.30 |
| Drying | 2.22 |
| Miscellaneous | .14 |
| Technical services | .07 |
| Total, variable cash expenses | 75.82 |
| ===== | |
| General farm overhead | 8.30 |
| Taxes and insurance | 18.65 |
| Interest | 24.48 |
| Total, fixed cash expenses | 51.43 |
| ===== | |
| Total, cash expenses | 127.25 |
| ===== | |
| Receipts less cash expenses | -41.84 |
| Capital replacement | 42.97 |
| Receipts less cash expenses and replacement | -84.81 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 75.82 |
| General farm overhead | 8.30 |
| Taxes and insurance | 18.65 |
| Capital replacement | 42.97 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.53 |
| Return to other nonland capital | 13.26 |
| Net land rent | 17.33 |
| Unpaid labor | 14.13 |
| Total, economic costs | 192.00 |
| ===== | |
| Residual returns to management and risk | -106.59 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.11 |
| Yield (bu./planted acre) | 76.95 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 94--Missouri soft red winter wheat
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 41.55 |
| Secondary crop | 3.36 |
| Total | 44.91 |
| ===== | |
| Cash expenses: | |
| Seed | 8.61 |
| Fertilizer | 33.79 |
| Lime and gypsum | 2.16 |
| Chemicals | .42 |
| Custom operations | 3.36 |
| Fuel, lube, and electricity | 4.00 |
| Repairs | 4.59 |
| Hired labor | .74 |
| Miscellaneous | .24 |
| Technical services | .09 |
| Total, variable cash expenses | 57.99 |
| ===== | |
| General farm overhead | 5.64 |
| Taxes and insurance | 6.56 |
| Interest | 16.62 |
| Total, fixed cash expenses | 28.82 |
| ===== | |
| Total, cash expenses | 86.81 |
| ===== | |
| Receipts less cash expenses | -41.90 |
| Capital replacement | 16.80 |
| Receipts less cash expenses and replacement | -58.70 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 57.99 |
| General farm overhead | 5.64 |
| Taxes and insurance | 6.56 |
| Capital replacement | 16.80 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.76 |
| Return to other nonland capital | 3.13 |
| Net land rent | 5.15 |
| Unpaid labor | 8.48 |
| Total, economic costs | 105.51 |
| ===== | |
| Residual returns to management and risk | -60.60 |
| ===== | |
| Harvest-period price (dollars/bu.) | 2.32 |
| Yield (bu./planted acre) | 17.91 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 95--Missouri soybeans
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 143.97 |
| Total | 143.97 |
| <hr/> | |
| Cash expenses: | |
| Seed | 7.91 |
| Fertilizer | 3.67 |
| Lime and gypsum | .51 |
| Chemicals | 16.17 |
| Custom operations | 2.50 |
| Fuel, lube, and electricity | 5.29 |
| Repairs | 6.10 |
| Hired labor | 1.50 |
| Technical services | .20 |
| Total, variable cash expenses | 43.85 |
| General farm overhead | 7.44 |
| Taxes and insurance | 8.10 |
| Interest | 21.92 |
| Total, fixed cash expenses | 37.45 |
| Total, cash expenses | 81.31 |
| Receipts less cash expenses | 62.66 |
| Capital replacement | 25.01 |
| Receipts less cash expenses and replacement | 37.65 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 43.85 |
| General farm overhead | 7.44 |
| Taxes and insurance | 8.10 |
| Capital replacement | 25.01 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .99 |
| Return to other nonland capital | 4.39 |
| Net land rent | 52.27 |
| Unpaid labor | 10.07 |
| Total, economic costs | 152.12 |
| Residual returns to management and risk | -8.15 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 4.46 |
| Yield (bu./planted acre) | 32.28 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 96--Missouri cotton production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 260.31 |
| Secondary crop | 27.72 |
| Total | 288.03 |
| <hr/> | |
| Cash expenses: | |
| Seed | 8.05 |
| Fertilizer | 25.26 |
| Lime and gypsum | .89 |
| Chemicals | 24.59 |
| Custom operations | 7.53 |
| Fuel, lube, and electricity | 9.46 |
| Repairs | 19.64 |
| Hired labor | 8.04 |
| Ginning | 46.36 |
| Miscellaneous | .36 |
| Technical services | .42 |
| Total, variable cash expenses | 150.60 |
| General farm overhead | 17.92 |
| Taxes and insurance | 12.72 |
| Interest | 52.83 |
| Total, fixed cash expenses | 83.47 |
| Total, cash expenses | 234.07 |
| Receipts less cash expenses | 53.96 |
| Capital replacement | 44.30 |
| Receipts less cash expenses and replacement | 9.66 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 150.60 |
| General farm overhead | 17.92 |
| Taxes and insurance | 12.72 |
| Capital replacement | 44.30 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.96 |
| Return to other nonland capital | 7.60 |
| Net land rent | 51.95 |
| Unpaid labor | 15.61 |
| Total, economic costs | 302.66 |
| Residual returns to management and risk | -14.63 |
| <hr/> | |
| Harvest-period price (dollars/lb.) | .49 |
| Yield (lbs./planted acre) | 531.24 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 97--Montana barley (after crop)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 26.21 |
| Secondary crop | 5.14 |
| Total | 31.35 |
| ===== | |
| Cash expenses: | |
| Seed | 3.20 |
| Fertilizer | 19.65 |
| Chemicals | 6.18 |
| Custom operations | 2.76 |
| Fuel, lube, and electricity | 1.98 |
| Repairs | 5.77 |
| Hired labor | .69 |
| Miscellaneous | .55 |
| Technical services | .15 |
| Total, variable cash expenses | 40.93 |
| General farm overhead | 6.64 |
| Taxes and insurance | 5.51 |
| Interest | 11.05 |
| Total, fixed cash expenses | 23.19 |
| Total, cash expenses | 64.12 |
| ===== | |
| Receipts less cash expenses | -32.77 |
| Capital replacement | 19.25 |
| Receipts less cash expenses and replacement | -52.02 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 40.93 |
| General farm overhead | 6.64 |
| Taxes and insurance | 5.51 |
| Capital replacement | 19.25 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .56 |
| Return to other nonland capital | 3.28 |
| Net land rent | 6.85 |
| Unpaid labor | 4.59 |
| Total, economic costs | 87.60 |
| ===== | |
| Residual returns to management and risk | -56.25 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.48 |
| Yield (bu./planted acre) | 17.71 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 98--Montana barley (after fallow)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 42.28 |
| Secondary crop | 3.51 |
| Total | 45.79 |
| ===== | |
| Cash expenses: | |
| Seed | 3.13 |
| Fertilizer | 6.70 |
| Chemicals | 3.87 |
| Custom operations | 2.39 |
| Fuel, lube, and electricity | 3.24 |
| Repairs | 7.37 |
| Hired labor | 1.12 |
| Miscellaneous | .25 |
| Total, variable cash expenses | 28.07 |
| General farm overhead | 7.31 |
| Taxes and insurance | 8.01 |
| Interest | 12.16 |
| Total, fixed cash expenses | 27.48 |
| Total, cash expenses | 55.55 |
| ===== | |
| Receipts less cash expenses | -9.76 |
| Capital replacement | 19.76 |
| Receipts less cash expenses and replacement | -29.52 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 28.07 |
| General farm overhead | 7.31 |
| Taxes and insurance | 8.01 |
| Capital replacement | 19.76 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .65 |
| Return to other nonland capital | 3.45 |
| Net land rent | 11.08 |
| Unpaid labor | 7.49 |
| Total, economic costs | 85.82 |
| ===== | |
| Residual returns to management and risk | -40.03 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.48 |
| Yield (bu./planted acre) | 28.57 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 99--Montana barley (irrigated)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 82.55 |
| Secondary crop | 7.84 |
| Total | 90.39 |
| ===== | |
| Cash expenses: | |
| Seed | 4.42 |
| Fertilizer | 23.36 |
| Chemicals | 3.77 |
| Custom operations | 3.75 |
| Fuel, lube, and electricity | 10.79 |
| Repairs | 15.61 |
| Hired labor | 1.94 |
| Purchased irrigation water | 4.80 |
| Miscellaneous | .73 |
| Total, variable cash expenses | 69.16 |
| General farm overhead | 13.37 |
| Taxes and insurance | 11.88 |
| Interest | 22.25 |
| Total, fixed cash expenses | 47.50 |
| Total, cash expenses | 116.67 |
| ===== | |
| Receipts less cash expenses | -26.28 |
| Capital replacement | 34.01 |
| Receipts less cash expenses and replacement | -60.29 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 69.16 |
| General farm overhead | 13.37 |
| Taxes and insurance | 11.88 |
| Capital replacement | 34.01 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .90 |
| Return to other nonland capital | 6.21 |
| Net land rent | 22.92 |
| Unpaid labor | 12.96 |
| Total, economic costs | 171.42 |
| Residual returns to management and risk | -81.03 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.48 |
| Yield (bu./planted acre) | 55.78 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 100--Montana oats production costs
per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 23.60 |
| Secondary crop | 10.14 |
| Total | 33.74 |
| ===== | |
| Cash expenses: | |
| Seed | 3.94 |
| Fertilizer | 6.44 |
| Chemicals | 1.59 |
| Custom operations | 2.17 |
| Fuel, lube, and electricity | 3.21 |
| Repairs | 7.90 |
| Hired labor | .75 |
| Miscellaneous | .34 |
| Total, variable cash expenses | 26.34 |
| General farm overhead | 5.13 |
| Taxes and insurance | 6.25 |
| Interest | 8.53 |
| Total, fixed cash expenses | 19.91 |
| Total, cash expenses | 46.25 |
| ===== | |
| Receipts less cash expenses | -12.51 |
| Capital replacement | 21.75 |
| Receipts less cash expenses and replacement | -34.26 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 26.34 |
| General farm overhead | 5.13 |
| Taxes and insurance | 6.25 |
| Capital replacement | 21.75 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .37 |
| Return to other nonland capital | 4.18 |
| Net land rent | 10.16 |
| Unpaid labor | 7.60 |
| Total, economic costs | 81.78 |
| Residual returns to management and risk | -48.04 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.14 |
| Yield (bu./planted acre) | 20.70 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 101--Montana hard red winter wheat
(dryland) production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 65.49 |
| Secondary crop | .54 |
| Total | 66.03 |
| Cash expenses: | |
| Seed | 3.84 |
| Fertilizer | 11.72 |
| Chemicals | 4.33 |
| Custom operations | 3.24 |
| Fuel, lube, and electricity | 3.91 |
| Repairs | 7.79 |
| Hired labor | .76 |
| Miscellaneous | .07 |
| Total, variable cash expenses | 35.66 |
| General farm overhead | 9.11 |
| Taxes and insurance | 8.40 |
| Interest | 15.15 |
| Total, fixed cash expenses | 32.66 |
| Total, cash expenses | 68.32 |
| Receipts less cash expenses | -2.29 |
| Capital replacement | 24.60 |
| Receipts less cash expenses and replacement | -26.89 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 35.66 |
| General farm overhead | 9.11 |
| Taxes and insurance | 8.40 |
| Capital replacement | 24.60 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.46 |
| Return to other nonland capital | 4.19 |
| Net land rent | 14.30 |
| Unpaid labor | 8.71 |
| Total, economic costs | 106.43 |
| Residual returns to management and risk | -40.40 |
| Harvest-period price (dollars/bu.) | 2.20 |
| Yield (bu./planted acre) | 29.77 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 102--Montana hard red spring wheat
(after crop) production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 27.85 |
| Secondary crop | .54 |
| Total | 28.39 |
| Cash expenses: | |
| Seed | 3.56 |
| Fertilizer | 11.92 |
| Chemicals | 3.80 |
| Custom operations | 1.00 |
| Fuel, lube, and electricity | 1.61 |
| Repairs | 4.56 |
| Hired labor | .34 |
| Total, variable cash expenses | 26.79 |
| General farm overhead | 5.66 |
| Taxes and insurance | 4.38 |
| Interest | 9.41 |
| Total, fixed cash expenses | 19.45 |
| Total, cash expenses | 46.24 |
| Receipts less cash expenses | -17.85 |
| Capital replacement | 14.68 |
| Receipts less cash expenses and replacement | -32.53 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 26.79 |
| General farm overhead | 5.66 |
| Taxes and insurance | 4.38 |
| Capital replacement | 14.68 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .39 |
| Return to other nonland capital | 2.46 |
| Net land rent | 7.09 |
| Unpaid labor | 3.87 |
| Total, economic costs | 65.32 |
| Residual returns to management and risk | -36.93 |
| Harvest-period price (dollars/bu.) | 2.50 |
| Yield (bu./planted acre) | 11.14 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 103--Montana hard red spring wheat
(after fallow) production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 57.77 |
| Secondary crop | .17 |
| Total | 57.94 |
| ===== | |
| Cash expenses: | |
| Seed | 3.67 |
| Fertilizer | 5.05 |
| Chemicals | 2.88 |
| Custom operations | 1.84 |
| Fuel, lube, and electricity | 3.21 |
| Repairs | 6.98 |
| Hired labor | .67 |
| Total, variable cash expenses | 24.30 |
| General farm overhead | 7.63 |
| Taxes and insurance | 7.56 |
| Interest | 12.70 |
| Total, fixed cash expenses | 27.89 |
| Total, cash expenses | 52.19 |
| Receipts less cash expenses | 5.75 |
| Capital replacement | 22.01 |
| Receipts less cash expenses and replacement | -16.26 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 24.30 |
| General farm overhead | 7.63 |
| Taxes and insurance | 7.56 |
| Capital replacement | 22.01 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .56 |
| Return to other nonland capital | 3.74 |
| Net land rent | 15.53 |
| Unpaid labor | 7.75 |
| Total, economic costs | 89.08 |
| Residual returns to management and risk | -31.14 |
| ===== | |
| Harvest-period price (dollars/bu.) | 2.50 |
| Yield (bu./planted acre) | 23.11 |
| ----- | |

All costs and returns are preliminary as of 08/01/87.

Appendix table 104--Montana durum wheat
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 60.21 |
| Secondary crop | .27 |
| Total | 60.48 |
| ===== | |
| Cash expenses: | |
| Seed | 3.67 |
| Fertilizer | 5.03 |
| Chemicals | 2.88 |
| Custom operations | 1.72 |
| Fuel, lube, and electricity | 3.11 |
| Repairs | 6.81 |
| Hired labor | .66 |
| Total, variable cash expenses | 23.88 |
| General farm overhead | 5.96 |
| Taxes and insurance | 7.03 |
| Interest | 9.92 |
| Total, fixed cash expenses | 22.92 |
| Total, cash expenses | 46.80 |
| Receipts less cash expenses | 13.68 |
| Capital replacement | 21.44 |
| Receipts less cash expenses and replacement | -7.76 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 23.88 |
| General farm overhead | 5.96 |
| Taxes and insurance | 7.03 |
| Capital replacement | 21.44 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .56 |
| Return to other nonland capital | 3.61 |
| Net land rent | 16.58 |
| Unpaid labor | 7.55 |
| Total, economic costs | 86.61 |
| Residual returns to management and risk | -26.13 |
| ===== | |
| Harvest-period price (dollars/bu.) | 2.30 |
| Yield (bu./planted acre) | 26.18 |
| ----- | |

All costs and returns are preliminary as of 08/01/87.

Appendix table 105--Nebraska corn (dryland)
production costs per planted

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 141.22 |
| Total | 141.22 |
| Cash expenses: | |
| Seed | 14.88 |
| Fertilizer | 19.78 |
| Chemicals | 13.65 |
| Custom operations | 4.81 |
| Fuel, lube, and electricity | 4.20 |
| Repairs | 8.02 |
| Hired labor | 1.40 |
| Drying | 3.27 |
| Miscellaneous | .18 |
| Technical services | .13 |
| Total, variable cash expenses | 70.32 |
| General farm overhead | 11.02 |
| Taxes and insurance | 15.71 |
| Interest | 25.94 |
| Total, fixed cash expenses | 52.67 |
| Total, cash expenses | 123.00 |
| Receipts less cash expenses | 18.22 |
| Capital replacement | 20.87 |
| Receipts less cash expenses and replacement | -2.65 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 70.32 |
| General farm overhead | 11.02 |
| Taxes and insurance | 15.71 |
| Capital replacement | 20.87 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.81 |
| Return to other nonland capital | 4.53 |
| Net land rent | 39.40 |
| Unpaid labor | 11.33 |
| Total, economic costs | 175.00 |
| Residual returns to management and risk | -33.78 |
| Harvest-period price (dollars/bu.) | 1.45 |
| Yield (bu./planted acre) | 97.39 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 106--Nebraska corn (irrigated)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 203.00 |
| Total | 203.00 |
| Cash expenses: | |
| Seed | 19.28 |
| Fertilizer | 37.73 |
| Chemicals | 20.32 |
| Custom operations | 4.93 |
| Fuel, lube, and electricity | 28.44 |
| Repairs | 22.42 |
| Hired labor | 2.59 |
| Purchased irrigation water | 1.94 |
| Drying | 5.64 |
| Miscellaneous | .55 |
| Technical services | .56 |
| Total, variable cash expenses | 144.41 |
| General farm overhead | 22.39 |
| Taxes and insurance | 24.34 |
| Interest | 52.67 |
| Total, fixed cash expenses | 99.40 |
| Total, cash expenses | 243.81 |
| Receipts less cash expenses | -40.81 |
| Capital replacement | 51.73 |
| Receipts less cash expenses and replacement | -92.54 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 144.41 |
| General farm overhead | 22.39 |
| Taxes and insurance | 24.34 |
| Capital replacement | 51.73 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 3.60 |
| Return to other nonland capital | 10.11 |
| Net land rent | 15.67 |
| Unpaid labor | 20.98 |
| Total, economic costs | 293.22 |
| Residual returns to management and risk | -90.22 |
| Harvest-period price (dollars/bu.) | 1.45 |
| Yield (bu./planted acre) | 140.00 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 107--Nebraska sorghum (dryland)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 105.26 |
| Total | 105.26 |
| <hr/> | |
| Cash expenses: | |
| Seed | 4.46 |
| Fertilizer | 15.40 |
| Lime and gypsum | 4.61 |
| Chemicals | 10.77 |
| Custom operations | 2.53 |
| Fuel, lube, and electricity | 4.46 |
| Repairs | 8.17 |
| Hired labor | 1.62 |
| Drying | 1.26 |
| Miscellaneous | .07 |
| Total, variable cash expenses | 53.35 |
| General farm overhead | 9.19 |
| Taxes and insurance | 15.19 |
| Interest | 21.61 |
| Total, fixed cash expenses | 45.99 |
| Total, cash expenses | 99.34 |
| <hr/> | |
| Receipts less cash expenses | 5.92 |
| Capital replacement | 19.89 |
| Receipts less cash expenses and replacement | -13.97 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 53.35 |
| General farm overhead | 9.19 |
| Taxes and insurance | 15.19 |
| Capital replacement | 19.89 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.22 |
| Return to other nonland capital | 4.34 |
| Net land rent | 22.72 |
| Unpaid labor | 9.92 |
| Total, economic costs | 135.82 |
| Residual returns to management and risk | -30.56 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.31 |
| Yield (bu./planted acre) | 80.35 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 108--Nebraska sorghum (irrigated)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 127.25 |
| Total | 127.25 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.33 |
| Fertilizer | 22.57 |
| Chemicals | 11.17 |
| Custom operations | 2.92 |
| Fuel, lube, and electricity | 16.95 |
| Repairs | 19.76 |
| Hired labor | 2.70 |
| Drying | 2.61 |
| Miscellaneous | .06 |
| Technical services | .22 |
| Total, variable cash expenses | 84.29 |
| General farm overhead | 13.43 |
| Taxes and insurance | 24.20 |
| Interest | 31.59 |
| Total, fixed cash expenses | 69.22 |
| Total, cash expenses | 153.52 |
| <hr/> | |
| Receipts less cash expenses | -26.27 |
| Capital replacement | 42.36 |
| Receipts less cash expenses and replacement | -68.63 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 84.29 |
| General farm overhead | 13.43 |
| Taxes and insurance | 24.20 |
| Capital replacement | 42.36 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.83 |
| Return to other nonland capital | 8.53 |
| Unpaid labor | 16.59 |
| Total, economic costs | 191.23 |
| Residual returns to management and risk | -63.98 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.31 |
| Yield (bu./planted acre) | 97.14 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 109--Nebraska oats production costs
per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 23.48 |
| Secondary crop | 9.88 |
| Total | 33.36 |
| ===== | |
| Cash expenses: | |
| Seed | 5.55 |
| Fertilizer | 9.44 |
| Chemicals | .12 |
| Custom operations | .88 |
| Fuel, lube, and electricity | 2.94 |
| Repairs | 4.93 |
| Hired labor | .81 |
| Miscellaneous | .26 |
| Technical services | .07 |
| Total, variable cash expenses | 24.99 |
| General farm overhead | 4.30 |
| Taxes and insurance | 13.03 |
| Interest | 10.11 |
| Total, fixed cash expenses | 27.44 |
| Total, cash expenses | 52.44 |
| Receipts less cash expenses | -19.08 |
| Capital replacement | 11.69 |
| Receipts less cash expenses and replacement | -30.77 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 24.99 |
| General farm overhead | 4.30 |
| Taxes and insurance | 13.03 |
| Capital replacement | 11.69 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .43 |
| Return to other nonland capital | 2.44 |
| Net land rent | 5.76 |
| Unpaid labor | 8.16 |
| Total, economic costs | 70.81 |
| Residual returns to management and risk | -37.45 |
| ===== | |
| Harvest-period price (dollars/bu.) | .84 |
| Yield (bu./planted acre) | 27.95 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 110--Nebraska hard red winter wheat
(after crop) production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 64.17 |
| Secondary crop | 3.78 |
| Total | 67.95 |
| ===== | |
| Cash expenses: | |
| Seed | 6.11 |
| Fertilizer | 11.90 |
| Lime and gypsum | 4.61 |
| Chemicals | 1.88 |
| Custom operations | 3.11 |
| Fuel, lube, and electricity | 4.21 |
| Repairs | 6.87 |
| Hired labor | .88 |
| Miscellaneous | .32 |
| Total, variable cash expenses | 39.89 |
| General farm overhead | 7.56 |
| Taxes and insurance | 14.04 |
| Interest | 17.79 |
| Total, fixed cash expenses | 39.39 |
| Total, cash expenses | 79.28 |
| Receipts less cash expenses | -11.33 |
| Capital replacement | 18.57 |
| Receipts less cash expenses and replacement | -29.90 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 39.89 |
| General farm overhead | 7.56 |
| Taxes and insurance | 14.04 |
| Capital replacement | 18.57 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.69 |
| Return to other nonland capital | 3.82 |
| Net land rent | 11.29 |
| Unpaid labor | 10.14 |
| Total, economic costs | 107.00 |
| Residual returns to management and risk | -39.05 |
| ===== | |
| Harvest-period price (dollars/bu.) | 2.03 |
| Yield (bu./planted acre) | 31.61 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 111--Nebraska hard red winter wheat
(after fallow) production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 65.24 |
| Secondary crop | 2.67 |
| Total | 67.91 |
| <hr/> | |
| Cash expenses: | |
| Seed | 4.26 |
| Fertilizer | 5.94 |
| Chemicals | .53 |
| Custom operations | 9.86 |
| Fuel, lube, and electricity | 4.26 |
| Repairs | 6.91 |
| Hired labor | .94 |
| Miscellaneous | .26 |
| Total, variable cash expenses | 32.95 |
| General farm overhead | 8.23 |
| Taxes and insurance | 16.12 |
| Interest | 19.35 |
| Total, fixed cash expenses | 43.69 |
| Total, cash expenses | 76.65 |
| <hr/> | |
| Receipts less cash expenses | -8.74 |
| Capital replacement | 17.89 |
| Receipts less cash expenses and replacement | -26.63 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 32.95 |
| General farm overhead | 8.23 |
| Taxes and insurance | 16.12 |
| Capital replacement | 17.89 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.25 |
| Return to other nonland capital | 3.27 |
| Net land rent | 10.30 |
| Unpaid labor | 10.78 |
| Total, economic costs | 100.79 |
| Residual returns to management and risk | -32.88 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.03 |
| Yield (bu./planted acre) | 32.14 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 112--Nebraska hard red winter wheat
(irrigated) production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 79.45 |
| Secondary crop | 2.00 |
| Total | 81.45 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.98 |
| Fertilizer | 15.82 |
| Chemicals | 1.80 |
| Custom operations | 12.60 |
| Fuel, lube, and electricity | 21.88 |
| Repairs | 15.47 |
| Hired labor | .80 |
| Miscellaneous | .34 |
| Technical services | .52 |
| Total, variable cash expenses | 75.21 |
| General farm overhead | 10.80 |
| Taxes and insurance | 19.05 |
| Interest | 25.41 |
| Total, fixed cash expenses | 55.26 |
| Total, cash expenses | 130.47 |
| <hr/> | |
| Receipts less cash expenses | -49.02 |
| Capital replacement | 38.53 |
| Receipts less cash expenses and replacement | -87.55 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 75.21 |
| General farm overhead | 10.80 |
| Taxes and insurance | 19.05 |
| Capital replacement | 38.53 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.30 |
| Return to other nonland capital | 6.77 |
| Net land rent | 2.93 |
| Unpaid labor | 9.21 |
| Total, economic costs | 164.80 |
| Residual returns to management and risk | -83.35 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.03 |
| Yield (bu./planted acre) | 39.14 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 113--Nebraska soybeans (dryland)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 161.26 |
| Total | 161.26 |
| Cash expenses: | |
| Seed | 4.75 |
| Fertilizer | 2.42 |
| Lime and gypsum | .16 |
| Chemicals | 14.32 |
| Custom operations | 3.56 |
| Fuel, lube, and electricity | 3.77 |
| Repairs | 6.15 |
| Hired labor | 1.57 |
| Total, variable cash expenses | 36.70 |
| General farm overhead | 11.56 |
| Taxes and insurance | 15.46 |
| Interest | 27.21 |
| Total, fixed cash expenses | 54.23 |
| Total, cash expenses | 90.93 |
| Receipts less cash expenses | 70.33 |
| Capital replacement | 17.08 |
| Receipts less cash expenses and replacement | 53.25 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 36.70 |
| General farm overhead | 11.56 |
| Taxes and insurance | 15.46 |
| Capital replacement | 17.08 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .87 |
| Return to other nonland capital | 3.46 |
| Net land rent | 52.94 |
| Unpaid labor | 10.48 |
| Total, economic costs | 148.55 |
| Residual returns to management and risk | 12.71 |
| Harvest-period price (dollars/bu.) | 4.40 |
| Yield (bu./planted acre) | 36.65 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 114--Nebraska soybeans (irrigated)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 186.87 |
| Total | 186.87 |
| Cash expenses: | |
| Seed | 8.06 |
| Fertilizer | 6.38 |
| Lime and gypsum | .16 |
| Chemicals | 15.66 |
| Custom operations | 2.96 |
| Fuel, lube, and electricity | 22.36 |
| Repairs | 16.85 |
| Hired labor | 2.15 |
| Miscellaneous | .39 |
| Total, variable cash expenses | 74.98 |
| General farm overhead | 17.60 |
| Taxes and insurance | 23.55 |
| Interest | 41.42 |
| Total, fixed cash expenses | 82.57 |
| Total, cash expenses | 157.55 |
| Receipts less cash expenses | 29.32 |
| Capital replacement | 41.85 |
| Receipts less cash expenses and replacement | -12.53 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 74.98 |
| General farm overhead | 17.60 |
| Taxes and insurance | 23.55 |
| Capital replacement | 41.85 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.56 |
| Return to other nonland capital | 7.87 |
| Net land rent | 25.27 |
| Unpaid labor | 14.43 |
| Total, economic costs | 207.11 |
| Residual returns to management and risk | -20.24 |
| Harvest-period price (dollars/bu.) | 4.40 |
| Yield (bu./planted acre) | 42.47 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 115--New Mexico sorghum (dryland)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 55.42 |
| Total | 55.42 |
| Cash expenses: | |
| Seed | 4.03 |
| Chemicals | 5.75 |
| Custom operations | 5.14 |
| Fuel, lube, and electricity | 3.97 |
| Repairs | 7.65 |
| Hired labor | 2.02 |
| Drying | .09 |
| Technical services | .06 |
| Total, variable cash expenses | 28.71 |
| General farm overhead | 4.13 |
| Taxes and insurance | 3.47 |
| Interest | 6.86 |
| Total, fixed cash expenses | 14.46 |
| Total, cash expenses | 43.17 |
| Receipts less cash expenses | 12.25 |
| Capital replacement | 19.60 |
| Receipts less cash expenses and replacement | -7.35 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 28.71 |
| General farm overhead | 4.13 |
| Taxes and insurance | 3.47 |
| Capital replacement | 19.60 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .73 |
| Return to other nonland capital | 3.41 |
| Net land rent | 13.83 |
| Unpaid labor | 12.38 |
| Total, economic costs | 86.26 |
| Residual returns to management and risk | -30.84 |
| Harvest-period price (dollars/bu.) | 1.81 |
| Yield (bu./planted acre) | 30.62 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 116--New Mexico sorghum (irrigated)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 127.66 |
| Total | 127.66 |
| Cash expenses: | |
| Seed | 3.83 |
| Fertilizer | 17.85 |
| Chemicals | 19.73 |
| Custom operations | 10.03 |
| Fuel, lube, and electricity | 45.86 |
| Repairs | 21.54 |
| Hired labor | 3.57 |
| Technical services | .29 |
| Total, variable cash expenses | 122.70 |
| General farm overhead | 12.77 |
| Taxes and insurance | 8.26 |
| Interest | 21.26 |
| Total, fixed cash expenses | 42.29 |
| Total, cash expenses | 164.99 |
| Receipts less cash expenses | -37.33 |
| Capital replacement | 47.84 |
| Receipts less cash expenses and replacement | -85.17 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 122.70 |
| General farm overhead | 12.77 |
| Taxes and insurance | 8.26 |
| Capital replacement | 47.84 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.32 |
| Return to other nonland capital | 8.28 |
| Net land rent | 32.11 |
| Unpaid labor | 21.91 |
| Total, economic costs | 256.19 |
| Residual returns to management and risk | -128.53 |
| Harvest-period price (dollars/bu.) | 1.81 |
| Yield (bu./planted acre) | 70.53 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 117--New Mexico hard red winter wheat
(dryland) production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 24.86 |
| Secondary crop | 5.04 |
| Total | 29.90 |
| Cash expenses: | |
| Seed | 2.77 |
| Chemicals | .58 |
| Custom operations | 3.44 |
| Fuel, lube, and electricity | 3.10 |
| Repairs | 6.51 |
| Hired labor | .76 |
| Total, variable cash expenses | 17.16 |
| General farm overhead | 2.52 |
| Taxes and insurance | 2.61 |
| Interest | 4.19 |
| Total, fixed cash expenses | 9.32 |
| Total, cash expenses | 26.48 |
| Receipts less cash expenses | 3.42 |
| Capital replacement | 14.72 |
| Receipts less cash expenses and replacement | -11.30 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 17.16 |
| General farm overhead | 2.52 |
| Taxes and insurance | 2.61 |
| Capital replacement | 14.72 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .68 |
| Return to other nonland capital | 2.52 |
| Net land rent | 7.45 |
| Unpaid labor | 8.74 |
| Total, economic costs | 56.40 |
| Residual returns to management and risk | -26.50 |
| Harvest-period price (dollars/bu.) | 2.25 |
| Yield (bu./planted acre) | 11.05 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 118--New Mexico hard red winter wheat
(irrigated) production costs per planted acre

| Item | 1986 |
|---|---------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 46.73 |
| Secondary crop | 13.16 |
| Total | 59.89 |
| Cash expenses: | |
| Seed | 6.65 |
| Fertilizer | 19.98 |
| Chemicals | 1.97 |
| Custom operations | 6.83 |
| Fuel, lube, and electricity | 45.08 |
| Repairs | 18.66 |
| Hired labor | 1.39 |
| Miscellaneous | .06 |
| Technical services | .22 |
| Total, variable cash expenses | 100.84 |
| General farm overhead | 8.49 |
| Taxes and insurance | 5.88 |
| Interest | 14.13 |
| Total, fixed cash expenses | 28.51 |
| Total, cash expenses | 129.35 |
| Receipts less cash expenses | -69.46 |
| Capital replacement | 41.68 |
| Receipts less cash expenses and replacement | -111.14 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 100.84 |
| General farm overhead | 8.49 |
| Taxes and insurance | 5.88 |
| Capital replacement | 41.68 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.96 |
| Return to other nonland capital | 5.45 |
| Net land rent | 6.56 |
| Unpaid labor | 15.97 |
| Total, economic costs | 187.84 |
| Residual returns to management and risk | -127.95 |
| Harvest-period price (dollars/bu.) | 2.25 |
| Yield (bu./planted acre) | 20.77 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 119--New Mexico cotton (dryland)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 33.96 |
| Secondary crop | 4.86 |
| Total | 38.82 |
| <hr/> | |
| Cash expenses: | |
| Seed | 9.30 |
| Fertilizer | 1.93 |
| Chemicals | 8.86 |
| Custom operations | .16 |
| Fuel, lube, and electricity | 5.02 |
| Repairs | 9.27 |
| Hired labor | 4.83 |
| Ginning | 7.32 |
| Total, variable cash expenses | 46.69 |
| General farm overhead | 2.60 |
| Taxes and insurance | 3.61 |
| Interest | 4.32 |
| Total, fixed cash expenses | 10.53 |
| Total, cash expenses | 57.22 |
| Receipts less cash expenses | -18.40 |
| Capital replacement | 20.40 |
| Receipts less cash expenses and replacement | -38.80 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 46.69 |
| General farm overhead | 2.60 |
| Taxes and insurance | 3.61 |
| Capital replacement | 20.40 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.17 |
| Return to other nonland capital | 3.57 |
| Net land rent | 8.74 |
| Unpaid labor | 9.38 |
| Total, economic costs | 96.16 |
| Residual returns to management and risk | -57.34 |
| <hr/> | |
| Harvest-period price (dollars/lb.) | .48 |
| Yield (lbs./planted acre) | 70.74 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 120--New Mexico cotton (irrigated)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 286.28 |
| Secondary crop | 50.07 |
| Total | 336.35 |
| <hr/> | |
| Cash expenses: | |
| Seed | 10.08 |
| Fertilizer | 14.98 |
| Chemicals | 13.29 |
| Custom operations | 3.09 |
| Fuel, lube, and electricity | 33.91 |
| Repairs | 21.08 |
| Hired labor | 12.26 |
| Ginning | 61.79 |
| Technical services | .49 |
| Total, variable cash expenses | 170.97 |
| General farm overhead | 25.16 |
| Taxes and insurance | 8.76 |
| Interest | 41.85 |
| Total, fixed cash expenses | 75.77 |
| Total, cash expenses | 246.74 |
| Receipts less cash expenses | 89.61 |
| Capital replacement | 44.42 |
| Receipts less cash expenses and replacement | 45.19 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 170.97 |
| General farm overhead | 25.16 |
| Taxes and insurance | 8.76 |
| Capital replacement | 44.42 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.40 |
| Return to other nonland capital | 7.84 |
| Net land rent | 52.26 |
| Unpaid labor | 23.80 |
| Total, economic costs | 335.61 |
| Residual returns to management and risk | .74 |
| <hr/> | |
| Harvest-period price (dollars/lb.) | .48 |
| Yield (lbs./planted acre) | 596.42 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 121--New York corn production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 160.87 |
| Total | 160.87 |
| <hr/> | |
| Cash expenses: | |
| Seed | 17.48 |
| Fertilizer | 42.73 |
| Lime and gypsum | 5.77 |
| Chemicals | 19.68 |
| Custom operations | 7.92 |
| Fuel, lube, and electricity | 6.23 |
| Repairs | 10.82 |
| Hired labor | 1.45 |
| Drying | 5.86 |
| Technical services | .28 |
| Total, variable cash expenses | 118.22 |
| General farm overhead | 28.23 |
| Taxes and insurance | 18.73 |
| Interest | 43.43 |
| Total, fixed cash expenses | 90.38 |
| Total, cash expenses | 208.60 |
| Receipts less cash expenses | -47.73 |
| Capital replacement | 30.04 |
| Receipts less cash expenses and replacement | -77.77 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 118.22 |
| General farm overhead | 28.23 |
| Taxes and insurance | 18.73 |
| Capital replacement | 30.04 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.83 |
| Return to other nonland capital | 5.35 |
| Net land rent | 9.39 |
| Unpaid labor | 11.73 |
| Total, economic costs | 224.51 |
| Residual returns to management and risk | -63.64 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.70 |
| Yield (bu./planted acre) | 94.63 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 122--New York oats production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 40.27 |
| Secondary crop | 34.60 |
| Total | 74.87 |
| <hr/> | |
| Cash expenses: | |
| Seed | 7.74 |
| Fertilizer | 21.16 |
| Lime and gypsum | 7.77 |
| Chemicals | 4.20 |
| Custom operations | 5.95 |
| Fuel, lube, and electricity | 6.67 |
| Repairs | 9.80 |
| Hired labor | 1.50 |
| Miscellaneous | 1.09 |
| Technical services | .32 |
| Total, variable cash expenses | 66.19 |
| General farm overhead | 9.30 |
| Taxes and insurance | 19.78 |
| Interest | 14.32 |
| Total, fixed cash expenses | 43.40 |
| Total, cash expenses | 109.60 |
| Receipts less cash expenses | -34.73 |
| Capital replacement | 30.10 |
| Receipts less cash expenses and replacement | -64.83 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 66.19 |
| General farm overhead | 9.30 |
| Taxes and insurance | 19.78 |
| Capital replacement | 30.10 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .98 |
| Return to other nonland capital | 6.77 |
| Net land rent | .27 |
| Unpaid labor | 15.12 |
| Total, economic costs | 148.52 |
| Residual returns to management and risk | -73.65 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | .75 |
| Yield (bu./planted acre) | 53.70 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 123--New York soft red winter wheat
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 102.06 |
| Secondary crop | 38.12 |
| Total | 140.18 |
| <hr/> | |
| Cash expenses: | |
| Seed | 13.81 |
| Fertilizer | 29.39 |
| Lime and gypsum | 2.66 |
| Chemicals | 1.88 |
| Custom operations | 5.42 |
| Fuel, lube, and electricity | 6.29 |
| Repairs | 9.35 |
| Hired labor | 1.15 |
| Miscellaneous | 1.23 |
| Technical services | .19 |
| Total, variable cash expenses | 71.37 |
| General farm overhead | 12.54 |
| Taxes and insurance | 20.34 |
| Interest | 19.30 |
| Total, fixed cash expenses | 52.19 |
| Total, cash expenses | 123.56 |
| <hr/> | |
| Receipts less cash expenses | 16.62 |
| Capital replacement | 33.43 |
| Receipts less cash expenses and replacement | -16.81 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 71.37 |
| General farm overhead | 12.54 |
| Taxes and insurance | 20.34 |
| Capital replacement | 33.43 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.86 |
| Return to other nonland capital | 6.30 |
| Net land rent | 12.28 |
| Unpaid labor | 13.20 |
| Total, economic costs | 172.33 |
| Residual returns to management and risk | -32.15 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.20 |
| Yield (bu./planted acre) | 46.39 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 124--North Carolina corn
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 107.89 |
| Total | 107.89 |
| <hr/> | |
| Cash expenses: | |
| Seed | 16.10 |
| Fertilizer | 55.12 |
| Lime and gypsum | 2.33 |
| Chemicals | 21.35 |
| Custom operations | 15.98 |
| Fuel, lube, and electricity | 4.82 |
| Repairs | 9.35 |
| Hired labor | 1.89 |
| Drying | 1.03 |
| Technical services | .07 |
| Total, variable cash expenses | 128.03 |
| General farm overhead | 11.59 |
| Taxes and insurance | 9.09 |
| Interest | 17.68 |
| Total, fixed cash expenses | 38.36 |
| Total, cash expenses | 166.39 |
| <hr/> | |
| Receipts less cash expenses | -58.50 |
| Capital replacement | 22.65 |
| Receipts less cash expenses and replacement | -81.15 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 128.03 |
| General farm overhead | 11.59 |
| Taxes and insurance | 9.09 |
| Capital replacement | 22.65 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.74 |
| Return to other nonland capital | 4.18 |
| Net land rent | 18.13 |
| Unpaid labor | 15.26 |
| Total, economic costs | 211.67 |
| Residual returns to management and risk | -103.78 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.69 |
| Yield (bu./planted acre) | 63.84 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 125--North Carolina soft red winter
wheat production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 67.90 |
| Total | 67.90 |
| Cash expenses: | |
| Seed | 8.19 |
| Fertilizer | 31.08 |
| Lime and gypsum | 4.66 |
| Chemicals | 3.15 |
| Custom operations | 6.20 |
| Fuel, lube, and electricity | 3.95 |
| Repairs | 6.62 |
| Hired labor | .98 |
| Miscellaneous | 1.01 |
| Technical services | .21 |
| Total, variable cash expenses | 66.04 |
| General farm overhead | 5.13 |
| Taxes and insurance | 5.74 |
| Interest | 7.81 |
| Total, fixed cash expenses | 18.68 |
| Total, cash expenses | 84.72 |
| Receipts less cash expenses | -16.82 |
| Capital replacement | 18.53 |
| Receipts less cash expenses and replacement | -35.35 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 66.04 |
| General farm overhead | 5.13 |
| Taxes and insurance | 5.74 |
| Capital replacement | 18.53 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.16 |
| Return to other nonland capital | 3.24 |
| Net land rent | 11.87 |
| Unpaid labor | 11.24 |
| Total, economic costs | 123.95 |
| Residual returns to management and risk | -56.05 |
| Harvest-period price (dollars/bu.) | 2.50 |
| Yield (bu./planted acre) | 27.16 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 126--North Carolina soybeans
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 109.11 |
| Total | 109.11 |
| Cash expenses: | |
| Seed | 9.28 |
| Fertilizer | 11.85 |
| Lime and gypsum | 4.89 |
| Chemicals | 17.67 |
| Custom operations | 8.74 |
| Fuel, lube, and electricity | 4.02 |
| Repairs | 6.80 |
| Hired labor | 1.82 |
| Miscellaneous | .44 |
| Total, variable cash expenses | 65.51 |
| General farm overhead | 6.25 |
| Taxes and insurance | 7.29 |
| Interest | 9.53 |
| Total, fixed cash expenses | 23.07 |
| Total, cash expenses | 88.59 |
| Receipts less cash expenses | 20.52 |
| Capital replacement | 19.32 |
| Receipts less cash expenses and replacement | 1.20 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 65.51 |
| General farm overhead | 6.25 |
| Taxes and insurance | 7.29 |
| Capital replacement | 19.32 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.81 |
| Return to other nonland capital | 3.34 |
| Net land rent | 17.57 |
| Unpaid labor | 12.19 |
| Total, economic costs | 133.28 |
| Residual returns to management and risk | -24.17 |
| Harvest-period price (dollars/bu.) | 4.83 |
| Yield (bu./planted acre) | 22.59 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 127--North Carolina peanuts
production costs per planted acre

| Item | 1986 |
|---|----------|
| <u>Dollars</u> | |
| Cash receipts: | |
| Primary crop | 857.26 |
| Secondary crop | 7.45 |
| Total | 864.71 |
| ===== | |
| Cash expenses: | |
| Seed | 74.59 |
| Fertilizer | 7.49 |
| Lime and gypsum | 24.64 |
| Chemicals | 84.20 |
| Custom operations | 14.87 |
| Fuel, lube, and electricity | 7.55 |
| Repairs | 14.45 |
| Hired labor | 7.90 |
| Drying | 67.27 |
| Miscellaneous | .01 |
| Technical services | .21 |
| Total, variable cash expenses | 303.19 |
| General farm overhead | 36.09 |
| Taxes and insurance | 14.16 |
| Interest | 55.02 |
| Total, fixed cash expenses | 105.27 |
| Total, cash expenses | 408.45 |
| ===== | |
| Receipts less cash expenses | 456.26 |
| Capital replacement | 48.30 |
| Receipts less cash expenses and replacement | 407.96 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 303.19 |
| General farm overhead | 36.09 |
| Taxes and insurance | 14.16 |
| Capital replacement | 48.30 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 5.81 |
| Return to other nonland capital | 9.55 |
| Net land rent | 169.93 |
| Unpaid labor | 26.46 |
| Total, economic costs | 613.49 |
| ===== | |
| Residual returns to management and risk | 251.22 |
| ===== | |
| Harvest-period price (dollars/lb.) | .28 |
| Yield (lbs./planted acre) | 3,007.93 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 128--North Carolina cotton
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 309.07 |
| Secondary crop | 41.53 |
| Total | 350.60 |
| ===== | |
| Cash expenses: | |
| Seed | 7.44 |
| Fertilizer | 38.11 |
| Lime and gypsum | 3.26 |
| Chemicals | 42.04 |
| Custom operations | 28.60 |
| Fuel, lube, and electricity | 6.25 |
| Repairs | 19.92 |
| Hired labor | 8.23 |
| Ginning | 63.96 |
| Technical services | 2.47 |
| Total, variable cash expenses | 220.27 |
| General farm overhead | 21.12 |
| Taxes and insurance | 12.21 |
| Interest | 32.18 |
| Total, fixed cash expenses | 65.51 |
| Total, cash expenses | 285.78 |
| ===== | |
| Receipts less cash expenses | 64.81 |
| Capital replacement | 41.38 |
| Receipts less cash expenses and replacement | 23.43 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 220.27 |
| General farm overhead | 21.12 |
| Taxes and insurance | 12.21 |
| Capital replacement | 41.38 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 3.22 |
| Return to other nonland capital | 7.50 |
| Net land rent | 55.77 |
| Unpaid labor | 15.97 |
| Total, economic costs | 377.44 |
| ===== | |
| Residual returns to management and risk | -26.84 |
| ===== | |
| Harvest-period price (dollars/lb.) | .48 |
| Yield (lbs./planted acre) | 643.90 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 129--North Dakota barley (after crop)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 54.27 |
| Total | 54.27 |
| <hr/> | |
| Cash expenses: | |
| Seed | 3.38 |
| Fertilizer | 13.60 |
| Chemicals | 5.46 |
| Custom operations | .65 |
| Fuel, lube, and electricity | 3.21 |
| Repairs | 7.45 |
| Hired labor | 1.06 |
| Technical services | .19 |
| Total, variable cash expenses | 35.00 |
| General farm overhead | 6.09 |
| Taxes and insurance | 7.61 |
| Interest | 14.32 |
| Total, fixed cash expenses | 28.02 |
| Total, cash expenses | 63.02 |
| <hr/> | |
| Receipts less cash expenses | -8.75 |
| Capital replacement | 20.66 |
| Receipts less cash expenses and replacement | -29.41 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 35.00 |
| General farm overhead | 6.09 |
| Taxes and insurance | 7.61 |
| Capital replacement | 20.66 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .72 |
| Return to other nonland capital | 4.13 |
| Net land rent | 18.36 |
| Unpaid labor | 7.11 |
| Total, economic costs | 99.68 |
| Residual returns to management and risk | -45.41 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.06 |
| Yield (bu./planted acre) | 51.20 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 130--North Dakota barley
(after fallow) production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 38.86 |
| Secondary crop | .67 |
| Total | 39.53 |
| <hr/> | |
| Cash expenses: | |
| Seed | 3.22 |
| Fertilizer | 4.00 |
| Chemicals | 6.05 |
| Custom operations | 1.43 |
| Fuel, lube, and electricity | 4.21 |
| Repairs | 8.50 |
| Hired labor | 1.48 |
| Miscellaneous | .26 |
| Technical services | .10 |
| Total, variable cash expenses | 29.25 |
| General farm overhead | 5.49 |
| Taxes and insurance | 9.77 |
| Interest | 12.92 |
| Total, fixed cash expenses | 28.19 |
| Total, cash expenses | 57.43 |
| <hr/> | |
| Receipts less cash expenses | -17.90 |
| Capital replacement | 23.81 |
| Receipts less cash expenses and replacement | -41.71 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 29.25 |
| General farm overhead | 5.49 |
| Taxes and insurance | 9.77 |
| Capital replacement | 23.81 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .78 |
| Return to other nonland capital | 4.54 |
| Net land rent | 19.12 |
| Unpaid labor | 9.90 |
| Total, economic costs | 102.66 |
| Residual returns to management and risk | -63.13 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.06 |
| Yield (bu./planted acre) | 36.66 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 131--North Dakota oats
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 31.17 |
| Secondary crop | 4.67 |
| Total | 35.84 |
| Cash expenses: | |
| Seed | 2.99 |
| Fertilizer | 5.59 |
| Chemicals | 1.04 |
| Custom operations | .53 |
| Fuel, lube, and electricity | 2.92 |
| Repairs | 5.76 |
| Hired labor | .70 |
| Miscellaneous | .36 |
| Technical services | .05 |
| Total, variable cash expenses | 19.94 |
| General farm overhead | 3.75 |
| Taxes and insurance | 5.59 |
| Interest | 8.83 |
| Total, fixed cash expenses | 18.18 |
| Total, cash expenses | 38.11 |
| Receipts less cash expenses | -2.27 |
| Capital replacement | 15.26 |
| Receipts less cash expenses and replacement | -17.53 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 19.94 |
| General farm overhead | 3.75 |
| Taxes and insurance | 5.59 |
| Capital replacement | 15.26 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .31 |
| Return to other nonland capital | 3.04 |
| Net land rent | 11.42 |
| Unpaid labor | 7.05 |
| Total, economic costs | 66.36 |
| Residual returns to management and risk | -30.52 |
| Harvest-period price (dollars/bu.) | .85 |
| Yield (bu./planted acre) | 36.67 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 132--North Dakota hard red spring
wheat (after crop) production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 72.29 |
| Secondary crop | .85 |
| Total | 73.14 |
| Cash expenses: | |
| Seed | 6.32 |
| Fertilizer | 13.34 |
| Chemicals | 7.60 |
| Custom operations | .80 |
| Fuel, lube, and electricity | 2.88 |
| Repairs | 7.22 |
| Hired labor | .61 |
| Miscellaneous | .26 |
| Technical services | .35 |
| Total, variable cash expenses | 39.38 |
| General farm overhead | 6.17 |
| Taxes and insurance | 7.31 |
| Interest | 14.51 |
| Total, fixed cash expenses | 27.98 |
| Total, cash expenses | 67.36 |
| Receipts less cash expenses | 5.78 |
| Capital replacement | 20.34 |
| Receipts less cash expenses and replacement | -14.56 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 39.38 |
| General farm overhead | 6.17 |
| Taxes and insurance | 7.31 |
| Capital replacement | 20.34 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .58 |
| Return to other nonland capital | 3.93 |
| Net land rent | 21.88 |
| Unpaid labor | 7.02 |
| Total, economic costs | 106.60 |
| Residual returns to management and risk | -33.46 |
| Harvest-period price (dollars/bu.) | 2.32 |
| Yield (bu./planted acre) | 31.16 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 133--North Dakota hard red spring wheat (after fallow) production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 68.09 |
| Secondary crop | .56 |
| Total | 68.65 |
| ===== | |
| Cash expenses: | |
| Seed | 6.28 |
| Fertilizer | 5.07 |
| Chemicals | 5.07 |
| Custom operations | 1.04 |
| Fuel, lube, and electricity | 3.74 |
| Repairs | 7.60 |
| Hired labor | .82 |
| Miscellaneous | .26 |
| Technical services | .32 |
| Total, variable cash expenses | 30.20 |
| ===== | |
| General farm overhead | 5.93 |
| Taxes and insurance | 9.14 |
| Interest | 13.94 |
| Total, fixed cash expenses | 29.01 |
| ===== | |
| Total, cash expenses | 59.21 |
| ===== | |
| Receipts less cash expenses | 9.44 |
| Capital replacement | 21.43 |
| Receipts less cash expenses and replacement | -11.99 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 30.20 |
| General farm overhead | 5.93 |
| Taxes and insurance | 9.14 |
| Capital replacement | 21.43 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .74 |
| Return to other nonland capital | 4.05 |
| Net land rent | 26.85 |
| Unpaid labor | 9.43 |
| Total, economic costs | 107.76 |
| ===== | |
| Residual returns to management and risk | -39.11 |
| ===== | |
| Harvest-period price (dollars/bu.) | 2.32 |
| Yield (bu./planted acre) | 29.35 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 134--North Dakota durum wheat (after crop) production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 65.42 |
| Secondary crop | .85 |
| Total | 66.27 |
| ===== | |
| Cash expenses: | |
| Seed | 6.32 |
| Fertilizer | 13.34 |
| Chemicals | 7.60 |
| Custom operations | .80 |
| Fuel, lube, and electricity | 2.76 |
| Repairs | 6.93 |
| Hired labor | .59 |
| Miscellaneous | .26 |
| Technical services | .35 |
| Total, variable cash expenses | 38.94 |
| ===== | |
| General farm overhead | 5.92 |
| Taxes and insurance | 6.77 |
| Interest | 13.92 |
| Total, fixed cash expenses | 26.60 |
| ===== | |
| Total, cash expenses | 65.55 |
| ===== | |
| Receipts less cash expenses | .72 |
| Capital replacement | 19.74 |
| Receipts less cash expenses and replacement | -19.02 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 38.94 |
| General farm overhead | 5.92 |
| Taxes and insurance | 6.77 |
| Capital replacement | 19.74 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .58 |
| Return to other nonland capital | 3.77 |
| Net land rent | 20.25 |
| Unpaid labor | 6.74 |
| Total, economic costs | 102.71 |
| ===== | |
| Residual returns to management and risk | -36.44 |
| ===== | |
| Harvest-period price (dollars/bu.) | 2.14 |
| Yield (bu./planted acre) | 30.57 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 135--North Dakota durum wheat
(after fallow) production costs per planted acre

| Item | 1986 |
|---|--------|
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 61.70 |
| Secondary crop | .56 |
| Total | 62.26 |
| Cash expenses: | |
| Seed | 6.28 |
| Fertilizer | 5.07 |
| Chemicals | 5.07 |
| Custom operations | 1.04 |
| Fuel, lube, and electricity | 3.60 |
| Repairs | 7.27 |
| Hired labor | .79 |
| Miscellaneous | .26 |
| Technical services | .32 |
| Total, variable cash expenses | 29.70 |
| General farm overhead | 6.22 |
| Taxes and insurance | 8.99 |
| Interest | 14.62 |
| Total, fixed cash expenses | 29.82 |
| Total, cash expenses | 59.52 |
| Receipts less cash expenses | 2.74 |
| Capital replacement | 20.74 |
| Receipts less cash expenses and replacement | -18.00 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 29.70 |
| General farm overhead | 6.22 |
| Taxes and insurance | 8.99 |
| Capital replacement | 20.74 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .74 |
| Return to other nonland capital | 3.87 |
| Net land rent | 25.03 |
| Unpaid labor | 9.13 |
| Total, economic costs | 104.41 |
| Residual returns to management and risk | -42.15 |
| Harvest-period price (dollars/bu.) | 2.14 |
| Yield (bu./planted acre) | 28.83 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 136--North Dakota sunflower
production costs per planted acre

| Item | 1986 |
|---|--------|
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 81.76 |
| Total | 81.76 |
| Cash expenses: | |
| Seed | 9.43 |
| Fertilizer | 8.14 |
| Chemicals | 16.00 |
| Custom operations | 1.71 |
| Fuel, lube, and electricity | 3.05 |
| Repairs | 6.12 |
| Hired labor | .07 |
| Drying | 2.66 |
| Technical services | .41 |
| Total, variable cash expenses | 47.59 |
| General farm overhead | 7.83 |
| Taxes and insurance | 6.41 |
| Interest | 18.43 |
| Total, fixed cash expenses | 32.67 |
| Total, cash expenses | 80.26 |
| Receipts less cash expenses | 1.50 |
| Capital replacement | 18.12 |
| Receipts less cash expenses and replacement | -16.62 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 47.59 |
| General farm overhead | 7.83 |
| Taxes and insurance | 6.41 |
| Capital replacement | 18.12 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .99 |
| Return to other nonland capital | 3.48 |
| Net land rent | 19.98 |
| Unpaid labor | 7.37 |
| Total, economic costs | 111.77 |
| Residual returns to management and risk | -30.01 |
| Harvest-period price (dollars/cwt.) | 6.27 |
| Yield (cwt./planted acre) | 13.04 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 137--North Dakota flaxseed
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 60.72 |
| Secondary crop | 5.04 |
| Total | 65.76 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.82 |
| Fertilizer | 3.18 |
| Chemicals | 4.77 |
| Custom operations | .33 |
| Fuel, lube, and electricity | 3.58 |
| Repairs | 7.34 |
| Hired labor | .10 |
| Miscellaneous | .51 |
| Technical services | .12 |
| Total, variable cash expenses | 25.75 |
| General farm overhead | 4.60 |
| Taxes and insurance | 7.18 |
| Interest | 10.81 |
| Total, fixed cash expenses | 22.59 |
| Total, cash expenses | 48.34 |
| <hr/> | |
| Receipts less cash expenses | 17.42 |
| Capital replacement | 21.24 |
| Receipts less cash expenses and replacement | -3.82 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 25.75 |
| General farm overhead | 4.60 |
| Taxes and insurance | 7.18 |
| Capital replacement | 21.24 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .46 |
| Return to other nonland capital | 4.18 |
| Net land rent | 15.33 |
| Unpaid labor | 9.69 |
| Total, economic costs | 88.43 |
| Residual returns to management and risk | -22.67 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 3.66 |
| Yield (bu./planted acre) | 16.59 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 138--Ohio corn production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 175.70 |
| Total | 175.70 |
| <hr/> | |
| Cash expenses: | |
| Seed | 17.58 |
| Fertilizer | 61.80 |
| Lime and gypsum | 2.41 |
| Chemicals | 19.45 |
| Custom operations | 5.02 |
| Fuel, lube, and electricity | 6.44 |
| Repairs | 11.07 |
| Hired labor | 1.69 |
| Drying | 6.37 |
| Miscellaneous | .28 |
| Technical services | .32 |
| Total, variable cash expenses | 132.43 |
| General farm overhead | 12.93 |
| Taxes and insurance | 17.29 |
| Interest | 38.12 |
| Total, fixed cash expenses | 68.34 |
| Total, cash expenses | 200.77 |
| <hr/> | |
| Receipts less cash expenses | -25.07 |
| Capital replacement | 34.87 |
| Receipts less cash expenses and replacement | -59.94 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 132.43 |
| General farm overhead | 12.93 |
| Taxes and insurance | 17.29 |
| Capital replacement | 34.87 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.76 |
| Return to other nonland capital | 6.69 |
| Net land rent | 38.95 |
| Unpaid labor | 13.72 |
| Total, economic costs | 259.64 |
| Residual returns to management and risk | -83.94 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.38 |
| Yield (bu./planted acre) | 127.32 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 139--Ohio oats production costs
per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 36.95 |
| Secondary crop | 15.71 |
| Total | 52.66 |
| Cash expenses: | |
| Seed | 7.06 |
| Fertilizer | 25.02 |
| Lime and gypsum | 3.68 |
| Chemicals | 1.93 |
| Custom operations | 4.84 |
| Fuel, lube, and electricity | 4.86 |
| Repairs | 6.41 |
| Hired labor | 1.27 |
| Miscellaneous | .80 |
| Technical services | .21 |
| Total, variable cash expenses | 56.09 |
| General farm overhead | 5.74 |
| Taxes and insurance | 15.41 |
| Interest | 16.93 |
| Total, fixed cash expenses | 38.09 |
| Total, cash expenses | 94.17 |
| Receipts less cash expenses | -41.51 |
| Capital replacement | 21.95 |
| Receipts less cash expenses and replacement | -63.46 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 56.09 |
| General farm overhead | 5.74 |
| Taxes and insurance | 15.41 |
| Capital replacement | 21.95 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .85 |
| Return to other nonland capital | 4.81 |
| Net land rent | 2.65 |
| Unpaid labor | 12.90 |
| Total, economic costs | 120.39 |
| Residual returns to management and risk | -67.73 |
| Harvest-period price (dollars/bu.) | .79 |
| Yield (bu./planted acre) | 46.77 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 140--Ohio soft red winter wheat
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 92.40 |
| Secondary crop | 20.90 |
| Total | 113.30 |
| Cash expenses: | |
| Seed | 10.67 |
| Fertilizer | 35.94 |
| Lime and gypsum | 1.27 |
| Chemicals | .14 |
| Custom operations | 5.39 |
| Fuel, lube, and electricity | 4.87 |
| Repairs | 6.09 |
| Hired labor | 1.16 |
| Miscellaneous | 1.07 |
| Technical services | .17 |
| Total, variable cash expenses | 66.76 |
| General farm overhead | 7.66 |
| Taxes and insurance | 15.18 |
| Interest | 22.57 |
| Total, fixed cash expenses | 45.41 |
| Total, cash expenses | 112.17 |
| Receipts less cash expenses | 1.13 |
| Capital replacement | 22.70 |
| Receipts less cash expenses and replacement | -21.57 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 66.76 |
| General farm overhead | 7.66 |
| Taxes and insurance | 15.18 |
| Capital replacement | 22.70 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.23 |
| Return to other nonland capital | 4.39 |
| Net land rent | 22.10 |
| Unpaid labor | 13.29 |
| Total, economic costs | 154.32 |
| Residual returns to management and risk | -41.02 |
| Harvest-period price (dollars/bu.) | 2.20 |
| Yield (bu./planted acre) | 42.00 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 141--Ohio soybeans production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 188.30 |
| Total | 188.30 |
| <hr/> | |
| Cash expenses: | |
| Seed | 10.17 |
| Fertilizer | 10.99 |
| Chemicals | 20.49 |
| Custom operations | 2.45 |
| Fuel, lube, and electricity | 4.87 |
| Repairs | 6.38 |
| Hired labor | 1.44 |
| Miscellaneous | .09 |
| Total, variable cash expenses | 56.88 |
| General farm overhead | 12.21 |
| Taxes and insurance | 15.45 |
| Interest | 35.99 |
| Total, fixed cash expenses | 63.65 |
| Total, cash expenses | 120.53 |
| <hr/> | |
| Receipts less cash expenses | 67.77 |
| Capital replacement | 25.12 |
| Receipts less cash expenses and replacement | 42.65 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 56.88 |
| General farm overhead | 12.21 |
| Taxes and insurance | 15.45 |
| Capital replacement | 25.12 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.34 |
| Return to other nonland capital | 4.48 |
| Net land rent | 56.68 |
| Unpaid labor | 9.63 |
| Total, economic costs | 181.79 |
| <hr/> | |
| Residual returns to management and risk | 6.51 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 4.63 |
| Yield (bu./planted acre) | 40.67 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 142--Oklahoma sorghum (dryland)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 58.29 |
| Total | 58.29 |
| <hr/> | |
| Cash expenses: | |
| Seed | 2.56 |
| Fertilizer | 11.82 |
| Lime and gypsum | .20 |
| Chemicals | 4.84 |
| Custom operations | 3.97 |
| Fuel, lube, and electricity | 3.41 |
| Repairs | 6.11 |
| Hired labor | 1.49 |
| Drying | .11 |
| Total, variable cash expenses | 34.51 |
| General farm overhead | 4.12 |
| Taxes and insurance | 4.50 |
| Interest | 6.53 |
| Total, fixed cash expenses | 15.15 |
| Total, cash expenses | 49.67 |
| <hr/> | |
| Receipts less cash expenses | 8.62 |
| Capital replacement | 15.01 |
| Receipts less cash expenses and replacement | -6.39 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 34.51 |
| General farm overhead | 4.12 |
| Taxes and insurance | 4.50 |
| Capital replacement | 15.01 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .82 |
| Return to other nonland capital | 2.60 |
| Net land rent | 12.60 |
| Unpaid labor | 9.19 |
| Total, economic costs | 83.35 |
| <hr/> | |
| Residual returns to management and risk | -25.06 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.64 |
| Yield (bu./planted acre) | 35.54 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 143--Oklahoma sorghum (irrigated)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 132.43 |
| Total | 132.43 |
| <hr/> | |
| Cash expenses: | |
| Seed | 3.25 |
| Fertilizer | 35.04 |
| Chemicals | 13.58 |
| Custom operations | 5.11 |
| Fuel, lube, and electricity | 63.16 |
| Repairs | 23.92 |
| Hired labor | 2.45 |
| Drying | .06 |
| Miscellaneous | .66 |
| Total, variable cash expenses | 147.23 |
| General farm overhead | 10.76 |
| Taxes and insurance | 7.78 |
| Interest | 17.07 |
| Total, fixed cash expenses | 35.60 |
| Total, cash expenses | 182.83 |
| <hr/> | |
| Receipts less cash expenses | |
| Capital replacement | -50.40 |
| Receipts less cash expenses and replacement | 41.49 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 147.23 |
| General farm overhead | 10.76 |
| Taxes and insurance | 7.78 |
| Capital replacement | 41.49 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.50 |
| Return to other nonland capital | 7.23 |
| Net land rent | 13.31 |
| Unpaid labor | 15.08 |
| Total, economic costs | 245.37 |
| <hr/> | |
| Residual returns to management and risk | |
| | -112.94 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | |
| | 1.64 |
| <hr/> | |
| Yield (bu./planted acre) | |
| | 80.75 |
| <hr/> | |

All costs and returns are preliminary as of 08/01/87.

Appendix table 144--Oklahoma barley
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 41.58 |
| Total | 41.58 |
| <hr/> | |
| Cash expenses: | |
| Seed | 3.91 |
| Fertilizer | 7.22 |
| Chemicals | 2.14 |
| Custom operations | 6.54 |
| Fuel, lube, and electricity | 3.47 |
| Repairs | 6.21 |
| Hired labor | 1.15 |
| Total, variable cash expenses | 30.64 |
| General farm overhead | 3.51 |
| Taxes and insurance | 4.69 |
| Interest | 5.58 |
| Total, fixed cash expenses | 13.78 |
| Total, cash expenses | 44.41 |
| <hr/> | |
| Receipts less cash expenses | |
| Capital replacement | -2.83 |
| Receipts less cash expenses and replacement | 13.69 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 30.64 |
| General farm overhead | 3.51 |
| Taxes and insurance | 4.69 |
| Capital replacement | 13.69 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.06 |
| Return to other nonland capital | 2.44 |
| Net land rent | 11.98 |
| Unpaid labor | 7.67 |
| Total, economic costs | 75.68 |
| <hr/> | |
| Residual returns to management and risk | |
| | -34.10 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | |
| | 1.65 |
| <hr/> | |
| Yield (bu./planted acre) | |
| | 25.20 |
| <hr/> | |

All costs and returns are preliminary as of 08/01/87.

Appendix table 145--Oklahoma hard red winter wheat
(after crop) production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 41.53 |
| Secondary crop | 9.69 |
| Total | 51.22 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.27 |
| Fertilizer | 10.68 |
| Chemicals | 2.18 |
| Custom operations | 6.89 |
| Fuel, lube, and electricity | 3.35 |
| Repairs | 5.96 |
| Hired labor | .68 |
| Total, variable cash expenses | 35.01 |
| General farm overhead | 5.91 |
| Taxes and insurance | 4.62 |
| Interest | 9.37 |
| Total, fixed cash expenses | 19.90 |
| Total, cash expenses | 54.91 |
| <hr/> | |
| Receipts less cash expenses | -3.69 |
| Capital replacement | 13.48 |
| Receipts less cash expenses and replacement | -17.17 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 35.01 |
| General farm overhead | 5.91 |
| Taxes and insurance | 4.62 |
| Capital replacement | 13.48 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.15 |
| Return to other nonland capital | 2.32 |
| Net land rent | 10.71 |
| Unpaid labor | 7.84 |
| Total, economic costs | 81.04 |
| Residual returns to management and risk | -29.82 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.13 |
| Yield (bu./planted acre) | 19.50 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 146--Oklahoma hard red winter wheat
(after fallow) production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 52.08 |
| Secondary crop | 3.73 |
| Total | 55.81 |
| <hr/> | |
| Cash expenses: | |
| Seed | 2.71 |
| Fertilizer | 2.04 |
| Chemicals | 1.23 |
| Custom operations | 4.72 |
| Fuel, lube, and electricity | 4.33 |
| Repairs | 7.38 |
| Hired labor | 1.04 |
| Total, variable cash expenses | 23.45 |
| General farm overhead | 4.30 |
| Taxes and insurance | 4.94 |
| Interest | 6.82 |
| Total, fixed cash expenses | 16.06 |
| Total, cash expenses | 39.51 |
| <hr/> | |
| Receipts less cash expenses | 16.30 |
| Capital replacement | 14.28 |
| Receipts less cash expenses and replacement | 2.02 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 23.45 |
| General farm overhead | 4.30 |
| Taxes and insurance | 4.94 |
| Capital replacement | 14.28 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .92 |
| Return to other nonland capital | 2.36 |
| Net land rent | 14.36 |
| Unpaid labor | 11.91 |
| Total, economic costs | 76.52 |
| Residual returns to management and risk | -20.71 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.13 |
| Yield (bu./planted acre) | 24.45 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 147--Oklahoma hard red winter wheat
(irrigated) production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 108.52 |
| Secondary crop | 18.50 |
| Total | 127.02 |
| Cash expenses: | |
| Seed | 5.32 |
| Fertilizer | 17.15 |
| Chemicals | 2.13 |
| Custom operations | 7.22 |
| Fuel, lube, and electricity | 27.30 |
| Repairs | 17.84 |
| Hired labor | 1.04 |
| Technical services | .07 |
| Total, variable cash expenses | 78.07 |
| General farm overhead | 8.18 |
| Taxes and insurance | 7.06 |
| Interest | 12.98 |
| Total, fixed cash expenses | 28.21 |
| Total, cash expenses | 106.29 |
| Receipts less cash expenses | 20.73 |
| Capital replacement | 39.26 |
| Receipts less cash expenses and replacement | -18.53 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 78.07 |
| General farm overhead | 8.18 |
| Taxes and insurance | 7.06 |
| Capital replacement | 39.26 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.20 |
| Return to other nonland capital | 6.57 |
| Net land rent | 18.17 |
| Unpaid labor | 11.99 |
| Total, economic costs | 171.50 |
| Residual returns to management and risk | -44.48 |
| Harvest-period price (dollars/bu.) | 2.13 |
| Yield (bu./planted acre) | 50.95 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 148--Oklahoma peanuts (dryland)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts: | |
| Primary crop | 293.12 |
| Secondary crop | 20.58 |
| Total | 313.70 |
| Cash expenses: | |
| Seed | 46.66 |
| Fertilizer | 16.45 |
| Lime and gypsum | .79 |
| Chemicals | 18.11 |
| Custom operations | 2.77 |
| Fuel, lube, and electricity | 6.92 |
| Repairs | 13.12 |
| Hired labor | 6.17 |
| Drying | 11.22 |
| Technical services | .26 |
| Total, variable cash expenses | 122.47 |
| General farm overhead | 12.11 |
| Taxes and insurance | 8.10 |
| Interest | 19.22 |
| Total, fixed cash expenses | 39.44 |
| Total, cash expenses | 161.90 |
| Receipts less cash expenses | 151.80 |
| Capital replacement | 28.87 |
| Receipts less cash expenses and replacement | 122.93 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 122.47 |
| General farm overhead | 12.11 |
| Taxes and insurance | 8.10 |
| Capital replacement | 28.87 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.87 |
| Return to other nonland capital | 5.94 |
| Net land rent | 43.31 |
| Unpaid labor | 20.65 |
| Total, economic costs | 244.32 |
| Residual returns to management and risk | 69.38 |
| Harvest-period price (dollars/lb.) | .34 |
| Yield (lbs./planted acre) | 864.67 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 149--Oklahoma peanuts (irrigated)
production costs per planted acre

| Item | 1986 |
|---|----------|
| <u>Dollars</u> | |
| Cash receipts: | |
| Primary crop | 840.72 |
| Secondary crop | 35.19 |
| Total | 875.91 |
| Cash expenses: | |
| Seed | 55.84 |
| Fertilizer | 25.33 |
| Chemicals | 59.04 |
| Custom operations | 4.95 |
| Fuel, lube, and electricity | 41.96 |
| Repairs | 33.94 |
| Hired labor | 11.81 |
| Drying | 20.74 |
| Miscellaneous | .04 |
| Technical services | 1.01 |
| Total, variable cash expenses | 254.66 |
| General farm overhead | 30.89 |
| Taxes and insurance | 14.37 |
| Interest | 49.02 |
| Total, fixed cash expenses | 94.28 |
| Total, cash expenses | 348.94 |
| Receipts less cash expenses | 526.97 |
| Capital replacement | 76.14 |
| Receipts less cash expenses and replacement | 450.83 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 254.66 |
| General farm overhead | 30.89 |
| Taxes and insurance | 14.37 |
| Capital replacement | 76.14 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 5.17 |
| Return to other nonland capital | 14.40 |
| Net land rent | 173.10 |
| Unpaid labor | 39.52 |
| Total, economic costs | 608.25 |
| Residual returns to management and risk | 267.66 |
| Harvest-period price (dollars/lb.) | .34 |
| Yield (lbs./planted acre) | 2,480.00 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 150--Oklahoma cotton (dryland)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 129.19 |
| Secondary crop | 17.84 |
| Total | 147.03 |
| Cash expenses: | |
| Seed | 6.57 |
| Fertilizer | 4.77 |
| Chemicals | 7.78 |
| Custom operations | 3.32 |
| Fuel, lube, and electricity | 4.68 |
| Repairs | 8.44 |
| Hired labor | 6.88 |
| Ginning | 22.79 |
| Technical services | .10 |
| Total, variable cash expenses | 65.32 |
| General farm overhead | 4.55 |
| Taxes and insurance | 5.12 |
| Interest | 7.22 |
| Total, fixed cash expenses | 16.89 |
| Total, cash expenses | 82.22 |
| Receipts less cash expenses | 64.81 |
| Capital replacement | 18.06 |
| Receipts less cash expenses and replacement | 46.75 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 65.32 |
| General farm overhead | 4.55 |
| Taxes and insurance | 5.12 |
| Capital replacement | 18.06 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.24 |
| Return to other nonland capital | 3.07 |
| Net land rent | 24.73 |
| Unpaid labor | 13.35 |
| Total, economic costs | 135.44 |
| Residual returns to management and risk | 11.59 |
| Harvest-period price (dollars/lb.) | .53 |
| Yield (lbs./planted acre) | 241.92 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 151--Oklahoma cotton (irrigated)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 227.61 |
| Secondary crop | 31.44 |
| Total | 259.05 |
| Cash expenses: | |
| Seed | 7.63 |
| Fertilizer | 21.66 |
| Chemicals | 40.09 |
| Custom operations | 14.09 |
| Fuel, lube, and electricity | 20.49 |
| Repairs | 22.84 |
| Hired labor | 12.48 |
| Purchased irrigation water | 10.09 |
| Ginning | 41.17 |
| Technical services | 1.25 |
| Total, variable cash expenses | 191.79 |
| General farm overhead | 14.60 |
| Taxes and insurance | 9.55 |
| Interest | 23.17 |
| Total, fixed cash expenses | 47.32 |
| Total, cash expenses | 239.12 |
| Receipts less cash expenses | 19.93 |
| Capital replacement | 46.43 |
| Receipts less cash expenses and replacement | -26.50 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 191.79 |
| General farm overhead | 14.60 |
| Taxes and insurance | 9.55 |
| Capital replacement | 46.43 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 3.43 |
| Return to other nonland capital | 8.04 |
| Net land rent | 34.81 |
| Unpaid labor | 24.24 |
| Total, economic costs | 332.89 |
| Residual returns to management and risk | -73.84 |
| Harvest-period price (dollars/lb.) | .53 |
| Yield (lbs./planted acre) | 426.24 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 152--Oregon barley (after crop)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 70.34 |
| Total | 70.34 |
| Cash expenses: | |
| Seed | 4.77 |
| Fertilizer | 17.24 |
| Chemicals | 8.28 |
| Custom operations | .73 |
| Fuel, lube, and electricity | 3.93 |
| Repairs | 9.74 |
| Hired labor | 1.19 |
| Total, variable cash expenses | 45.88 |
| General farm overhead | 8.17 |
| Taxes and insurance | 9.88 |
| Interest | 11.96 |
| Total, fixed cash expenses | 30.00 |
| Total, cash expenses | 75.88 |
| Receipts less cash expenses | -5.54 |
| Capital replacement | 24.53 |
| Receipts less cash expenses and replacement | -30.07 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 45.88 |
| General farm overhead | 8.17 |
| Taxes and insurance | 9.88 |
| Capital replacement | 24.53 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .64 |
| Return to other nonland capital | 4.37 |
| Net land rent | 14.78 |
| Unpaid labor | 7.95 |
| Total, economic costs | 116.20 |
| Residual returns to management and risk | -45.86 |
| Harvest-period price (dollars/bu.) | 1.48 |
| Yield (bu./planted acre) | 47.53 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 153--Oregon barley (after fallow)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 66.32 |
| Total | 66.32 |
| <hr/> | |
| Cash expenses: | |
| Seed | 3.32 |
| Fertilizer | 6.18 |
| Chemicals | 6.58 |
| Custom operations | .23 |
| Fuel, lube, and electricity | 4.65 |
| Repairs | 11.66 |
| Hired labor | 1.48 |
| Technical services | .10 |
| Total, variable cash expenses | 34.20 |
| General farm overhead | 8.10 |
| Taxes and insurance | 12.05 |
| Interest | 11.86 |
| Total, fixed cash expenses | 32.01 |
| Total, cash expenses | 66.21 |
| <hr/> | |
| Receipts less cash expenses | .11 |
| Capital replacement | 23.64 |
| Receipts less cash expenses and replacement | -23.53 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 34.20 |
| General farm overhead | 8.10 |
| Taxes and insurance | 12.05 |
| Capital replacement | 23.64 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .80 |
| Return to other nonland capital | 4.22 |
| Net land rent | 10.96 |
| Unpaid labor | 9.88 |
| Total, economic costs | 103.85 |
| Residual returns to management and risk | -37.53 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.48 |
| Yield (bu./planted acre) | 44.81 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 154--Oregon barley (irrigated)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 113.96 |
| Secondary crop | 8.28 |
| Total | 122.24 |
| <hr/> | |
| Cash expenses: | |
| Seed | 6.99 |
| Fertilizer | 25.02 |
| Chemicals | 5.19 |
| Custom operations | 11.76 |
| Fuel, lube, and electricity | 17.69 |
| Repairs | 22.61 |
| Hired labor | 2.99 |
| Purchased irrigation water | 6.46 |
| Miscellaneous | .72 |
| Technical services | .19 |
| Total, variable cash expenses | 99.62 |
| General farm overhead | 13.01 |
| Taxes and insurance | 17.57 |
| Interest | 19.03 |
| Total, fixed cash expenses | 49.60 |
| Total, cash expenses | 149.23 |
| <hr/> | |
| Receipts less cash expenses | -26.99 |
| Capital replacement | 36.98 |
| Receipts less cash expenses and replacement | -63.97 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 99.62 |
| General farm overhead | 13.01 |
| Taxes and insurance | 17.57 |
| Capital replacement | 36.98 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.37 |
| Return to other nonland capital | 6.58 |
| Net land rent | 24.40 |
| Unpaid labor | 20.03 |
| Total, economic costs | 219.56 |
| Residual returns to management and risk | -97.32 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.48 |
| Yield (bu./planted acre) | 77.00 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 155--Oregon white wheat (after crop)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 144.05 |
| Secondary crop | 4.08 |
| Total | 148.13 |
| <hr/> | |
| Cash expenses: | |
| Seed | 10.91 |
| Fertilizer | 34.63 |
| Chemicals | 29.17 |
| Custom operations | 3.28 |
| Fuel, lube, and electricity | 5.47 |
| Repairs | 13.06 |
| Hired labor | .99 |
| Miscellaneous | .81 |
| Total, variable cash expenses | 98.32 |
| General farm overhead | 13.17 |
| Taxes and insurance | 14.90 |
| Interest | 19.27 |
| Total, fixed cash expenses | 47.34 |
| Total, cash expenses | 145.66 |
| <hr/> | |
| Receipts less cash expenses | 2.47 |
| Capital replacement | 25.99 |
| Receipts less cash expenses and replacement | -23.52 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 98.32 |
| General farm overhead | 13.17 |
| Taxes and insurance | 14.90 |
| Capital replacement | 25.99 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.98 |
| Return to other nonland capital | 5.02 |
| Net land rent | 35.04 |
| Unpaid labor | 11.40 |
| Total, economic costs | 206.82 |
| Residual returns to management and risk | -58.69 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.40 |
| Yield (bu./planted acre) | 60.02 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 156--Oregon white wheat (irrigated)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 92.18 |
| Secondary crop | .96 |
| Total | 93.14 |
| <hr/> | |
| Cash expenses: | |
| Seed | 6.83 |
| Fertilizer | 12.33 |
| Chemicals | 9.37 |
| Custom operations | 1.32 |
| Fuel, lube, and electricity | 4.61 |
| Repairs | 11.37 |
| Hired labor | .92 |
| Miscellaneous | .10 |
| Total, variable cash expenses | 46.85 |
| General farm overhead | 10.66 |
| Taxes and insurance | 12.39 |
| Interest | 15.60 |
| Total, fixed cash expenses | 38.65 |
| Total, cash expenses | 85.50 |
| <hr/> | |
| Receipts less cash expenses | 7.64 |
| Capital replacement | 23.95 |
| Receipts less cash expenses and replacement | -16.31 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 46.85 |
| General farm overhead | 10.66 |
| Taxes and insurance | 12.39 |
| Capital replacement | 23.95 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.39 |
| Return to other nonland capital | 4.25 |
| Net land rent | 18.25 |
| Unpaid labor | 10.54 |
| Total, economic costs | 128.28 |
| Residual returns to management and risk | -35.14 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.40 |
| Yield (bu./planted acre) | 38.41 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 157--Oregon white wheat (irrigated)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 201.14 |
| Secondary crop | 8.16 |
| Total | 209.30 |
| <hr/> | |
| Cash expenses: | |
| Seed | 11.19 |
| Fertilizer | 44.83 |
| Chemicals | 10.88 |
| Custom operations | 13.92 |
| Fuel, lube, and electricity | 33.05 |
| Repairs | 22.34 |
| Hired labor | 1.97 |
| Purchased irrigation water | 8.14 |
| Miscellaneous | 2.35 |
| Technical services | .43 |
| Total, variable cash expenses | 149.10 |
| <hr/> | |
| General farm overhead | 17.42 |
| Taxes and insurance | 18.60 |
| Interest | 25.49 |
| Total, fixed cash expenses | 61.51 |
| Total, cash expenses | 210.61 |
| <hr/> | |
| Receipts less cash expenses | -1.31 |
| Capital replacement | 44.97 |
| Receipts less cash expenses and replacement | -46.28 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 149.10 |
| General farm overhead | 17.42 |
| Taxes and insurance | 18.60 |
| Capital replacement | 44.97 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 3.69 |
| Return to other nonland capital | 7.74 |
| Net land rent | 32.15 |
| Unpaid labor | 22.62 |
| Total, economic costs | 296.29 |
| <hr/> | |
| Residual returns to management and risk | -86.99 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.40 |
| Yield (bu./planted acre) | 83.81 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 158--Pennsylvania corn
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 165.28 |
| Total | 165.28 |
| <hr/> | |
| Cash expenses: | |
| Seed | 15.56 |
| Fertilizer | 40.96 |
| Lime and gypsum | 9.99 |
| Chemicals | 18.83 |
| Custom operations | 8.23 |
| Fuel, lube, and electricity | 7.31 |
| Repairs | 12.40 |
| Hired labor | 2.10 |
| Drying | 4.37 |
| Miscellaneous | .35 |
| Technical services | .11 |
| Total, variable cash expenses | 120.21 |
| <hr/> | |
| General farm overhead | 23.00 |
| Taxes and insurance | 22.59 |
| Interest | 35.39 |
| Total, fixed cash expenses | 80.98 |
| Total, cash expenses | 201.19 |
| <hr/> | |
| Receipts less cash expenses | -35.91 |
| Capital replacement | 30.84 |
| Receipts less cash expenses and replacement | -66.75 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 120.21 |
| General farm overhead | 23.00 |
| Taxes and insurance | 22.59 |
| Capital replacement | 30.84 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.42 |
| Return to other nonland capital | 6.75 |
| Net land rent | 18.38 |
| Unpaid labor | 16.99 |
| Total, economic costs | 241.18 |
| <hr/> | |
| Residual returns to management and risk | -75.90 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.76 |
| Yield (bu./planted acre) | 93.91 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 159--Pennsylvania barley
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 74.09 |
| Secondary crop | 51.85 |
| Total | 125.94 |
| <hr/> | |
| Cash expenses: | |
| Seed | 9.26 |
| Fertilizer | 17.50 |
| Lime and gypsum | 4.88 |
| Chemicals | .19 |
| Custom operations | 6.93 |
| Fuel, lube, and electricity | 6.72 |
| Repairs | 8.50 |
| Hired labor | 2.48 |
| Miscellaneous | 1.98 |
| Total, variable cash expenses | 58.45 |
| General farm overhead | 9.92 |
| Taxes and insurance | 23.35 |
| Interest | 15.26 |
| Total, fixed cash expenses | 48.53 |
| Total, cash expenses | 106.97 |
| <hr/> | |
| Receipts less cash expenses | 18.97 |
| Capital replacement | 28.93 |
| Receipts less cash expenses and replacement | -9.96 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 58.45 |
| General farm overhead | 9.92 |
| Taxes and insurance | 23.35 |
| Capital replacement | 28.93 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .73 |
| Return to other nonland capital | 6.47 |
| Net land rent | 26.26 |
| Unpaid labor | 16.63 |
| Total, economic costs | 170.73 |
| Residual returns to management and risk | -44.79 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.33 |
| Yield (bu./planted acre) | 55.71 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 160--Pennsylvania oats
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 52.55 |
| Secondary crop | 41.18 |
| Total | 93.73 |
| <hr/> | |
| Cash expenses: | |
| Seed | 7.55 |
| Fertilizer | 16.60 |
| Lime and gypsum | 11.32 |
| Chemicals | 2.43 |
| Custom operations | 5.16 |
| Fuel, lube, and electricity | 6.37 |
| Repairs | 9.11 |
| Hired labor | 1.81 |
| Miscellaneous | 1.43 |
| Technical services | .05 |
| Total, variable cash expenses | 61.83 |
| General farm overhead | 9.14 |
| Taxes and insurance | 19.07 |
| Interest | 14.06 |
| Total, fixed cash expenses | 42.27 |
| Total, cash expenses | 104.09 |
| <hr/> | |
| Receipts less cash expenses | -10.36 |
| Capital replacement | 29.57 |
| Receipts less cash expenses and replacement | -39.93 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 61.83 |
| General farm overhead | 9.14 |
| Taxes and insurance | 19.07 |
| Capital replacement | 29.57 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.18 |
| Return to other nonland capital | 6.73 |
| Net land rent | 10.99 |
| Unpaid labor | 18.28 |
| Total, economic costs | 156.79 |
| Residual returns to management and risk | -63.06 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | .91 |
| Yield (bu./planted acre) | 57.75 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 161--Pennsylvania soft red winter
wheat production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 111.54 |
| Secondary crop | 64.60 |
| Total | 176.14 |
| Cash expenses: | |
| Seed | 13.66 |
| Fertilizer | 19.99 |
| Lime and gypsum | 7.99 |
| Chemicals | .30 |
| Custom operations | 5.68 |
| Fuel, lube, and electricity | 7.28 |
| Repairs | 9.71 |
| Hired labor | 1.93 |
| Miscellaneous | 2.37 |
| Technical services | .14 |
| Total, variable cash expenses | 69.05 |
| General farm overhead | 11.44 |
| Taxes and insurance | 23.47 |
| Interest | 17.60 |
| Total, fixed cash expenses | 52.50 |
| Total, cash expenses | 121.56 |
| Receipts less cash expenses | 54.58 |
| Capital replacement | 33.62 |
| Receipts less cash expenses and replacement | 20.96 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 69.05 |
| General farm overhead | 11.44 |
| Taxes and insurance | 23.47 |
| Capital replacement | 33.62 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.59 |
| Return to other nonland capital | 7.12 |
| Net land rent | 16.76 |
| Unpaid labor | 22.17 |
| Total, economic costs | 186.22 |
| Residual returns to management and risk | -10.08 |
| Harvest-period price (dollars/bu.) | 2.65 |
| Yield (bu./planted acre) | 42.09 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 162--South Carolina corn
production costs per planted acre

| Item | 1986 |
|---|---------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 69.13 |
| Total | 69.13 |
| Cash expenses: | |
| Seed | 16.00 |
| Fertilizer | 52.39 |
| Lime and gypsum | 7.22 |
| Chemicals | 21.72 |
| Custom operations | 7.66 |
| Fuel, lube, and electricity | 4.57 |
| Repairs | 8.07 |
| Hired labor | 1.31 |
| Drying | 1.45 |
| Miscellaneous | .17 |
| Technical services | .06 |
| Total, variable cash expenses | 120.62 |
| General farm overhead | 7.87 |
| Taxes and insurance | 4.96 |
| Interest | 21.06 |
| Total, fixed cash expenses | 33.89 |
| Total, cash expenses | 154.51 |
| Receipts less cash expenses | -85.38 |
| Capital replacement | 16.98 |
| Receipts less cash expenses and replacement | -102.36 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 120.62 |
| General farm overhead | 7.87 |
| Taxes and insurance | 4.96 |
| Capital replacement | 16.98 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 3.17 |
| Return to other nonland capital | 2.81 |
| Net land rent | 22.61 |
| Unpaid labor | 10.56 |
| Total, economic costs | 189.58 |
| Residual returns to management and risk | -120.45 |
| Harvest-period price (dollars/bu.) | 1.65 |
| Yield (bu./planted acre) | 41.90 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 163--South Carolina soft red winter
wheat production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 56.55 |
| Secondary crop | .52 |
| Total | 57.07 |
| ===== | |
| Cash expenses: | |
| Seed | 8.20 |
| Fertilizer | 40.26 |
| Lime and gypsum | 4.66 |
| Chemicals | 3.35 |
| Custom operations | 8.31 |
| Fuel, lube, and electricity | 3.95 |
| Repairs | 6.74 |
| Hired labor | .75 |
| Miscellaneous | .16 |
| Technical services | .12 |
| Total, variable cash expenses | 76.50 |
| General farm overhead | 3.33 |
| Taxes and insurance | 3.65 |
| Interest | 8.91 |
| Total, fixed cash expenses | 15.88 |
| Total, cash expenses | 92.38 |
| Receipts less cash expenses | -35.31 |
| Capital replacement | 15.91 |
| Receipts less cash expenses and replacement | -51.22 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 76.50 |
| General farm overhead | 3.33 |
| Taxes and insurance | 3.65 |
| Capital replacement | 15.91 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.22 |
| Return to other nonland capital | 2.66 |
| Net land rent | 11.36 |
| Unpaid labor | 8.57 |
| Total, economic costs | 124.20 |
| Residual returns to management and risk | -67.13 |
| ===== | |
| Harvest-period price (dollars/bu.) | 2.45 |
| Yield (bu./planted acre) | 23.08 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 164--South Carolina soybeans
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 71.00 |
| Total | 71.00 |
| ===== | |
| Cash expenses: | |
| Seed | 7.47 |
| Fertilizer | 12.20 |
| Lime and gypsum | 4.43 |
| Chemicals | 23.17 |
| Custom operations | 4.95 |
| Fuel, lube, and electricity | 4.72 |
| Repairs | 7.65 |
| Hired labor | 1.49 |
| Miscellaneous | .14 |
| Technical services | .40 |
| Total, variable cash expenses | 66.63 |
| General farm overhead | 4.25 |
| Taxes and insurance | 4.83 |
| Interest | 11.38 |
| Total, fixed cash expenses | 20.47 |
| Total, cash expenses | 87.09 |
| Receipts less cash expenses | -16.09 |
| Capital replacement | 17.60 |
| Receipts less cash expenses and replacement | -33.69 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 66.63 |
| General farm overhead | 4.25 |
| Taxes and insurance | 4.83 |
| Capital replacement | 17.60 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.90 |
| Return to other nonland capital | 3.04 |
| Net land rent | 17.22 |
| Unpaid labor | 10.01 |
| Total, economic costs | 125.48 |
| Residual returns to management and risk | -54.48 |
| ===== | |
| Harvest-period price (dollars/bu.) | 4.84 |
| Yield (bu./planted acre) | 14.67 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 165--South Carolina cotton
production costs per planted acre

| Item | 1986 |
|---|---------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 173.41 |
| Secondary crop | 16.18 |
| Total | 189.59 |
| Cash expenses: | |
| Seed | 5.99 |
| Fertilizer | 48.03 |
| Lime and gypsum | 6.29 |
| Chemicals | 133.72 |
| Custom operations | 9.71 |
| Fuel, lube, and electricity | 7.76 |
| Repairs | 18.26 |
| Hired labor | 7.37 |
| Ginning | 30.29 |
| Miscellaneous | 4.94 |
| Technical services | 2.80 |
| Total, variable cash expenses | 275.16 |
| General farm overhead | 16.61 |
| Taxes and insurance | 10.64 |
| Interest | 44.47 |
| Total, fixed cash expenses | 71.73 |
| Total, cash expenses | 346.89 |
| Receipts less cash expenses | -157.30 |
| Capital replacement | 52.51 |
| Receipts less cash expenses and replacement | -209.81 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 275.16 |
| General farm overhead | 16.61 |
| Taxes and insurance | 10.64 |
| Capital replacement | 52.51 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 4.86 |
| Return to other nonland capital | 8.75 |
| Net land rent | 28.96 |
| Unpaid labor | 14.31 |
| Total, economic costs | 411.80 |
| Residual returns to management and risk | -222.21 |
| Harvest-period price (dollars/lb.) | .49 |
| Yield (lbs./planted acre) | 353.90 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 166--South Dakota corn
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 102.89 |
| Total | 102.89 |
| Cash expenses: | |
| Seed | 11.54 |
| Fertilizer | 12.54 |
| Chemicals | 8.50 |
| Custom operations | 3.69 |
| Fuel, lube, and electricity | 3.85 |
| Repairs | 8.16 |
| Hired labor | 1.36 |
| Drying | 2.69 |
| Technical services | .25 |
| Total, variable cash expenses | 52.58 |
| General farm overhead | 9.45 |
| Taxes and insurance | 10.32 |
| Interest | 22.22 |
| Total, fixed cash expenses | 41.99 |
| Total, cash expenses | 94.57 |
| Receipts less cash expenses | 8.32 |
| Capital replacement | 21.44 |
| Receipts less cash expenses and replacement | -13.12 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 52.58 |
| General farm overhead | 9.45 |
| Taxes and insurance | 10.32 |
| Capital replacement | 21.44 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.35 |
| Return to other nonland capital | 4.69 |
| Net land rent | 23.08 |
| Unpaid labor | 11.05 |
| Total, economic costs | 133.96 |
| Residual returns to management and risk | -31.07 |
| Harvest-period price (dollars/bu.) | 1.29 |
| Yield (bu./planted acre) | 79.76 |

All costs and returns are preliminary as of 08/01/87.

Appendix table 167--South Dakota sorghum
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 38.66 |
| Total | 38.66 |
| <hr/> | |
| Cash expenses: | |
| Seed | 2.97 |
| Fertilizer | 2.71 |
| Chemicals | 4.61 |
| Custom operations | 1.76 |
| Fuel, lube, and electricity | 2.70 |
| Repairs | 5.23 |
| Hired labor | 1.04 |
| Drying | .70 |
| Miscellaneous | .08 |
| Technical services | .17 |
| Total, variable cash expenses | 21.97 |
| General farm overhead | 6.74 |
| Taxes and insurance | 6.99 |
| Interest | 15.87 |
| Total, fixed cash expenses | 29.60 |
| Total, cash expenses | 51.57 |
| <hr/> | |
| Receipts less cash expenses | -12.91 |
| Capital replacement | 14.71 |
| Receipts less cash expenses and replacement | -27.62 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 21.97 |
| General farm overhead | 6.74 |
| Taxes and insurance | 6.99 |
| Capital replacement | 14.71 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .57 |
| Return to other nonland capital | 2.84 |
| Net land rent | 8.59 |
| Unpaid labor | 6.38 |
| Total, economic costs | 68.80 |
| Residual returns to management and risk | -30.14 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.24 |
| Yield (bu./planted acre) | 31.18 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 168--South Dakota barley (after crop)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 48.17 |
| Secondary crop | .56 |
| Total | 48.73 |
| <hr/> | |
| Cash expenses: | |
| Seed | 3.87 |
| Fertilizer | 6.39 |
| Chemicals | 2.72 |
| Custom operations | 2.13 |
| Fuel, lube, and electricity | 3.32 |
| Repairs | 6.65 |
| Hired labor | 1.08 |
| Miscellaneous | .26 |
| Technical services | .05 |
| Total, variable cash expenses | 26.47 |
| General farm overhead | 5.24 |
| Taxes and insurance | 7.96 |
| Interest | 12.33 |
| Total, fixed cash expenses | 25.54 |
| Total, cash expenses | 52.00 |
| <hr/> | |
| Receipts less cash expenses | -3.27 |
| Capital replacement | 17.85 |
| Receipts less cash expenses and replacement | -21.12 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 26.47 |
| General farm overhead | 5.24 |
| Taxes and insurance | 7.96 |
| Capital replacement | 17.85 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .47 |
| Return to other nonland capital | 3.70 |
| Net land rent | 12.50 |
| Unpaid labor | 7.23 |
| Total, economic costs | 81.42 |
| Residual returns to management and risk | -32.69 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.20 |
| Yield (bu./planted acre) | 40.14 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 169--South Dakota barley
(after fallow) production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 40.55 |
| Secondary crop | .21 |
| Total | 40.76 |
| ===== | |
| Cash expenses: | |
| Seed | 3.55 |
| Fertilizer | 3.99 |
| Chemicals | 1.22 |
| Custom operations | 4.77 |
| Fuel, lube, and electricity | 3.70 |
| Repairs | 7.79 |
| Hired labor | 1.32 |
| Miscellaneous | .26 |
| Total, variable cash expenses | 26.59 |
| ===== | |
| General farm overhead | 5.66 |
| Taxes and insurance | 10.53 |
| Interest | 13.31 |
| Total, fixed cash expenses | 29.50 |
| ===== | |
| Total, cash expenses | 56.09 |
| ===== | |
| Receipts less cash expenses | -15.33 |
| Capital replacement | 20.83 |
| Receipts less cash expenses and replacement | -36.16 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 26.59 |
| General farm overhead | 5.66 |
| Taxes and insurance | 10.53 |
| Capital replacement | 20.83 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .59 |
| Return to other nonland capital | 3.84 |
| Net land rent | 8.30 |
| Unpaid labor | 8.80 |
| Total, economic costs | 85.14 |
| ===== | |
| Residual returns to management and risk | -44.38 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.20 |
| Yield (bu./planted acre) | 33.79 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 170--South Dakota oats
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 24.95 |
| Secondary crop | 7.31 |
| Total | 32.26 |
| ===== | |
| Cash expenses: | |
| Seed | 4.30 |
| Fertilizer | 6.42 |
| Chemicals | 1.25 |
| Custom operations | 2.01 |
| Fuel, lube, and electricity | 2.72 |
| Repairs | 5.43 |
| Hired labor | .76 |
| Miscellaneous | .38 |
| Total, variable cash expenses | 23.27 |
| ===== | |
| General farm overhead | 4.19 |
| Taxes and insurance | 7.69 |
| Interest | 9.84 |
| Total, fixed cash expenses | 21.72 |
| ===== | |
| Total, cash expenses | 44.99 |
| ===== | |
| Receipts less cash expenses | -12.73 |
| Capital replacement | 13.49 |
| Receipts less cash expenses and replacement | -26.22 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 23.27 |
| General farm overhead | 4.19 |
| Taxes and insurance | 7.69 |
| Capital replacement | 13.49 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .38 |
| Return to other nonland capital | 2.85 |
| Net land rent | 6.80 |
| Unpaid labor | 7.72 |
| Total, economic costs | 66.39 |
| ===== | |
| Residual returns to management and risk | -34.13 |
| ===== | |
| Harvest-period price (dollars/bu.) | .81 |
| Yield (bu./planted acre) | 30.80 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 171--South Dakota hard red winter
wheat (after crop) production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 63.27 |
| Secondary crop | .90 |
| Total | 64.17 |
| <hr/> | |
| Cash expenses: | |
| Seed | 4.80 |
| Fertilizer | 6.09 |
| Chemicals | 2.49 |
| Custom operations | 7.56 |
| Fuel, lube, and electricity | 2.42 |
| Repairs | 4.52 |
| Hired labor | .50 |
| Miscellaneous | .26 |
| Technical services | .09 |
| Total, variable cash expenses | 28.73 |
| General farm overhead | 7.12 |
| Taxes and insurance | 6.11 |
| Interest | 16.75 |
| Total, fixed cash expenses | 29.98 |
| Total, cash expenses | 58.71 |
| Receipts less cash expenses | 5.46 |
| Capital replacement | 15.14 |
| Receipts less cash expenses and replacement | -9.68 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 28.73 |
| General farm overhead | 7.12 |
| Taxes and insurance | 6.11 |
| Capital replacement | 15.14 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .95 |
| Return to other nonland capital | 2.75 |
| Net land rent | 14.46 |
| Unpaid labor | 5.75 |
| Total, economic costs | 81.01 |
| Residual returns to management and risk | -16.84 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.01 |
| Yield (bu./planted acre) | 31.48 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 172--South Dakota hard red winter
wheat (after fallow) production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 60.12 |
| Secondary crop | .67 |
| Total | 60.79 |
| <hr/> | |
| Cash expenses: | |
| Seed | 4.22 |
| Fertilizer | 1.40 |
| Chemicals | 2.85 |
| Custom operations | 9.54 |
| Fuel, lube, and electricity | 3.18 |
| Repairs | 5.47 |
| Hired labor | .68 |
| Miscellaneous | .26 |
| Total, variable cash expenses | 27.59 |
| General farm overhead | 8.45 |
| Taxes and insurance | 8.19 |
| Interest | 19.87 |
| Total, fixed cash expenses | 36.50 |
| Total, cash expenses | 64.10 |
| Receipts less cash expenses | -3.31 |
| Capital replacement | 14.81 |
| Receipts less cash expenses and replacement | -18.12 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 27.59 |
| General farm overhead | 8.45 |
| Taxes and insurance | 8.19 |
| Capital replacement | 14.81 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .89 |
| Return to other nonland capital | 2.65 |
| Net land rent | 15.54 |
| Unpaid labor | 7.77 |
| Total, economic costs | 85.89 |
| Residual returns to management and risk | -25.10 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.01 |
| Yield (bu./planted acre) | 29.91 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 173--South Dakota hard red spring wheat (after ~~fallow~~ *crop*) production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 55.60 |
| Secondary crop | .90 |
| Total | 56.50 |
| <hr/> | |
| Cash expenses: | |
| Seed | 6.08 |
| Fertilizer | 7.01 |
| Chemicals | 2.63 |
| Custom operations | 3.62 |
| Fuel, lube, and electricity | 2.84 |
| Repairs | 5.75 |
| Hired labor | .60 |
| Miscellaneous | .26 |
| Technical services | .10 |
| Total, variable cash expenses | 28.88 |
| <hr/> | |
| General farm overhead | 5.67 |
| Taxes and insurance | 7.30 |
| Interest | 13.33 |
| Total, fixed cash expenses | 26.29 |
| Total, cash expenses | 55.18 |
| <hr/> | |
| Receipts less cash expenses | 1.32 |
| Capital replacement | 15.84 |
| Receipts less cash expenses and replacement | -14.52 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 28.88 |
| General farm overhead | 5.67 |
| Taxes and insurance | 7.30 |
| Capital replacement | 15.84 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .50 |
| Return to other nonland capital | 3.16 |
| Net land rent | 12.53 |
| Unpaid labor | 6.88 |
| Total, economic costs | 80.76 |
| <hr/> | |
| Residual returns to management and risk | -24.26 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.47 |
| Yield (bu./planted acre) | 22.51 |
| <hr/> | |

All costs and returns are preliminary as of 08/01/87.

Appendix table 174--South Dakota hard red spring wheat (after fallow) production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 53.01 |
| Secondary crop | .90 |
| Total | 53.91 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.40 |
| Fertilizer | 3.54 |
| Chemicals | 2.88 |
| Custom operations | 5.42 |
| Fuel, lube, and electricity | 3.33 |
| Repairs | 6.32 |
| Hired labor | .84 |
| Miscellaneous | .26 |
| Total, variable cash expenses | 27.99 |
| <hr/> | |
| General farm overhead | 6.07 |
| Taxes and insurance | 9.65 |
| Interest | 14.28 |
| Total, fixed cash expenses | 30.00 |
| Total, cash expenses | 57.99 |
| <hr/> | |
| Receipts less cash expenses | -4.08 |
| Capital replacement | 16.75 |
| Receipts less cash expenses and replacement | -20.83 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 27.99 |
| General farm overhead | 6.07 |
| Taxes and insurance | 9.65 |
| Capital replacement | 16.75 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .65 |
| Return to other nonland capital | 3.15 |
| Net land rent | 13.66 |
| Unpaid labor | 9.67 |
| Total, economic costs | 87.59 |
| <hr/> | |
| Residual returns to management and risk | -33.68 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.47 |
| Yield (bu./planted acre) | 21.46 |
| <hr/> | |

All costs and returns are preliminary as of 08/01/87.

Appendix table 175--South Dakota durum wheat
(after crop) production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 52.32 |
| Secondary crop | .90 |
| Total | 53.22 |
| <hr/> | |
| Cash expenses: | |
| Seed | 6.08 |
| Fertilizer | 7.01 |
| Chemicals | 2.63 |
| Custom operations | 3.76 |
| Fuel, lube, and electricity | 2.86 |
| Repairs | 5.78 |
| Hired labor | .59 |
| Miscellaneous | .26 |
| Technical services | .10 |
| Total, variable cash expenses | 29.07 |
| General farm overhead | 6.16 |
| Taxes and insurance | 7.49 |
| Interest | 14.48 |
| Total, fixed cash expenses | 28.13 |
| Total, cash expenses | 57.20 |
| <hr/> | |
| Receipts less cash expenses | -3.98 |
| Capital replacement | 16.00 |
| Receipts less cash expenses and replacement | -19.98 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 29.07 |
| General farm overhead | 6.16 |
| Taxes and insurance | 7.49 |
| Capital replacement | 16.00 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .50 |
| Return to other nonland capital | 3.19 |
| Net land rent | 11.55 |
| Unpaid labor | 6.80 |
| Total, economic costs | 80.75 |
| Residual returns to management and risk | -27.53 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.18 |
| Yield (bu./planted acre) | 24.00 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 176--South Dakota durum wheat
(after fallow) production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 88.07 |
| Secondary crop | .90 |
| Total | 88.97 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.40 |
| Fertilizer | 3.54 |
| Chemicals | 2.88 |
| Custom operations | 5.55 |
| Fuel, lube, and electricity | 3.66 |
| Repairs | 7.20 |
| Hired labor | .90 |
| Miscellaneous | .26 |
| Total, variable cash expenses | 29.38 |
| General farm overhead | 6.69 |
| Taxes and insurance | 10.87 |
| Interest | 15.74 |
| Total, fixed cash expenses | 33.29 |
| Total, cash expenses | 62.68 |
| <hr/> | |
| Receipts less cash expenses | 26.29 |
| Capital replacement | 19.64 |
| Receipts less cash expenses and replacement | 6.65 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 29.38 |
| General farm overhead | 6.69 |
| Taxes and insurance | 10.87 |
| Capital replacement | 19.64 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .62 |
| Return to other nonland capital | 3.78 |
| Net land rent | 20.72 |
| Unpaid labor | 10.33 |
| Total, economic costs | 102.03 |
| Residual returns to management and risk | -13.06 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.18 |
| Yield (bu./planted acre) | 40.40 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 177--South Dakota soybeans
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 133.77 |
| Total | 133.77 |
| ===== | |
| Cash expenses: | |
| Seed | 6.33 |
| Fertilizer | 3.81 |
| Chemicals | 13.05 |
| Custom operations | 5.84 |
| Fuel, lube, and electricity | 3.19 |
| Repairs | 6.19 |
| Hired labor | 1.79 |
| Total, variable cash expenses | 40.20 |
| General farm overhead | 12.03 |
| Taxes and insurance | 9.99 |
| Interest | 28.32 |
| Total, fixed cash expenses | 50.34 |
| Total, cash expenses | 90.55 |
| ===== | |
| Receipts less cash expenses | 43.22 |
| Capital replacement | 17.95 |
| Receipts less cash expenses and replacement | 25.27 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 40.20 |
| General farm overhead | 12.03 |
| Taxes and insurance | 9.99 |
| Capital replacement | 17.95 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .94 |
| Return to other nonland capital | 3.50 |
| Net land rent | 34.47 |
| Unpaid labor | 12.01 |
| Total, economic costs | 131.09 |
| ===== | |
| Residual returns to management and risk | 2.68 |
| ===== | |
| Harvest-period price (dollars/bu.) | 4.38 |
| Yield (bu./planted acre) | 30.54 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 178--South Dakota sunflower
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 83.81 |
| Total | 83.81 |
| ===== | |
| Cash expenses: | |
| Seed | 9.70 |
| Fertilizer | 4.37 |
| Chemicals | 8.23 |
| Custom operations | 3.17 |
| Fuel, lube, and electricity | 3.14 |
| Repairs | 6.09 |
| Hired labor | .08 |
| Drying | 1.08 |
| Miscellaneous | .08 |
| Total, variable cash expenses | 35.94 |
| General farm overhead | 7.85 |
| Taxes and insurance | 7.23 |
| Interest | 18.46 |
| Total, fixed cash expenses | 33.54 |
| Total, cash expenses | 69.48 |
| ===== | |
| Receipts less cash expenses | 14.33 |
| Capital replacement | 17.18 |
| Receipts less cash expenses and replacement | -2.85 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 35.94 |
| General farm overhead | 7.85 |
| Taxes and insurance | 7.23 |
| Capital replacement | 17.18 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .78 |
| Return to other nonland capital | 3.39 |
| Net land rent | 19.16 |
| Unpaid labor | 7.66 |
| Total, economic costs | 99.19 |
| ===== | |
| Residual returns to management and risk | -15.38 |
| ===== | |
| Harvest-period price (dollars/cwt.) | 6.25 |
| Yield (cwt./planted acre) | 13.41 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 179--South Dakota flaxseed
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 49.39 |
| Secondary crop | 9.53 |
| Total | 58.92 |
| <hr/> | |
| Cash expenses: | |
| Seed | 7.23 |
| Fertilizer | 1.70 |
| Chemicals | 2.52 |
| Custom operations | 3.12 |
| Fuel, lube, and electricity | 3.55 |
| Repairs | 7.33 |
| Hired labor | .12 |
| Miscellaneous | 1.27 |
| Total, variable cash expenses | 26.84 |
| General farm overhead | 5.01 |
| Taxes and insurance | 8.71 |
| Interest | 11.79 |
| Total, fixed cash expenses | 25.51 |
| Total, cash expenses | 52.35 |
| <hr/> | |
| Receipts less cash expenses | 6.57 |
| Capital replacement | 20.38 |
| Receipts less cash expenses and replacement | -13.81 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 26.84 |
| General farm overhead | 5.01 |
| Taxes and insurance | 8.71 |
| Capital replacement | 20.38 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .41 |
| Return to other nonland capital | 4.00 |
| Net land rent | 11.99 |
| Unpaid labor | 11.71 |
| Total, economic costs | 89.06 |
| Residual returns to management and risk | -30.14 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 3.73 |
| Yield (bu./planted acre) | 13.24 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 180--Tennessee corn production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 116.88 |
| Total | 116.88 |
| <hr/> | |
| Cash expenses: | |
| Seed | 16.13 |
| Fertilizer | 51.35 |
| Lime and gypsum | 1.29 |
| Chemicals | 19.54 |
| Custom operations | 4.47 |
| Fuel, lube, and electricity | 6.09 |
| Repairs | 10.77 |
| Hired labor | 1.68 |
| Drying | 3.16 |
| Miscellaneous | .04 |
| Total, variable cash expenses | 114.52 |
| General farm overhead | 10.63 |
| Taxes and insurance | 8.85 |
| Interest | 16.20 |
| Total, fixed cash expenses | 35.68 |
| Total, cash expenses | 150.20 |
| <hr/> | |
| Receipts less cash expenses | -33.32 |
| Capital replacement | 27.46 |
| Receipts less cash expenses and replacement | -60.78 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 114.52 |
| General farm overhead | 10.63 |
| Taxes and insurance | 8.85 |
| Capital replacement | 27.46 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.46 |
| Return to other nonland capital | 5.07 |
| Net land rent | 22.14 |
| Unpaid labor | 13.57 |
| Total, economic costs | 204.70 |
| Residual returns to management and risk | -87.82 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.60 |
| Yield (bu./planted acre) | 73.05 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 181--Tennessee soft red winter
wheat production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 62.35 |
| Secondary crop | 6.50 |
| Total | 68.85 |
| Cash expenses: | |
| Seed | 10.79 |
| Fertilizer | 32.70 |
| Lime and gypsum | 1.93 |
| Chemicals | 3.18 |
| Custom operations | 4.25 |
| Fuel, lube, and electricity | 4.36 |
| Repairs | 6.74 |
| Hired labor | .90 |
| Miscellaneous | .42 |
| Total, variable cash expenses | 65.27 |
| General farm overhead | 4.89 |
| Taxes and insurance | 5.54 |
| Interest | 7.45 |
| Total, fixed cash expenses | 17.87 |
| Total, cash expenses | 83.15 |
| Receipts less cash expenses | -14.30 |
| Capital replacement | 16.86 |
| Receipts less cash expenses and replacement | -31.16 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 65.27 |
| General farm overhead | 4.89 |
| Taxes and insurance | 5.54 |
| Capital replacement | 16.86 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.25 |
| Return to other nonland capital | 2.99 |
| Net land rent | 16.20 |
| Unpaid labor | 10.37 |
| Total, economic costs | 124.37 |
| Residual returns to management and risk | -55.52 |
| Harvest-period price (dollars/bu.) | 2.50 |
| Yield (bu./planted acre) | 24.94 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 182--Tennessee soybeans
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 118.29 |
| Total | 118.29 |
| Cash expenses: | |
| Seed | 7.36 |
| Fertilizer | 12.47 |
| Lime and gypsum | 2.25 |
| Chemicals | 19.12 |
| Custom operations | 3.79 |
| Fuel, lube, and electricity | 4.86 |
| Repairs | 7.26 |
| Hired labor | 1.61 |
| Miscellaneous | .38 |
| Technical services | .08 |
| Total, variable cash expenses | 59.18 |
| General farm overhead | 6.99 |
| Taxes and insurance | 6.84 |
| Interest | 10.66 |
| Total, fixed cash expenses | 24.49 |
| Total, cash expenses | 83.68 |
| Receipts less cash expenses | 34.61 |
| Capital replacement | 25.72 |
| Receipts less cash expenses and replacement | 8.89 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 59.18 |
| General farm overhead | 6.99 |
| Taxes and insurance | 6.84 |
| Capital replacement | 25.72 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.72 |
| Return to other nonland capital | 3.96 |
| Net land rent | 27.72 |
| Unpaid labor | 10.79 |
| Total, economic costs | 142.92 |
| Residual returns to management and risk | -24.63 |
| Harvest-period price (dollars/bu.) | 4.89 |
| Yield (bu./planted acre) | 24.19 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 183--Tennessee cotton
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 267.11 |
| Secondary crop | 33.16 |
| Total | 300.27 |
| ===== | |
| Cash expenses: | |
| Seed | 8.92 |
| Fertilizer | 39.74 |
| Lime and gypsum | .80 |
| Chemicals | 26.85 |
| Custom operations | 15.36 |
| Fuel, lube, and electricity | 7.77 |
| Repairs | 28.42 |
| Hired labor | 6.62 |
| Ginning | 27.16 |
| Miscellaneous | .53 |
| Technical services | .66 |
| Total, variable cash expenses | 162.83 |
| General farm overhead | 18.88 |
| Taxes and insurance | 11.48 |
| Interest | 28.78 |
| Total, fixed cash expenses | 59.15 |
| Total, cash expenses | 221.98 |
| Receipts less cash expenses | 78.29 |
| Capital replacement | 51.15 |
| Receipts less cash expenses and replacement | 27.14 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 162.83 |
| General farm overhead | 18.88 |
| Taxes and insurance | 11.48 |
| Capital replacement | 51.15 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.39 |
| Return to other nonland capital | 8.45 |
| Net land rent | 48.09 |
| Unpaid labor | 12.84 |
| Total, economic costs | 316.12 |
| Residual returns to management and risk | -15.85 |
| ===== | |
| Harvest-period price (dollars/lb.) | .47 |
| Yield (lbs./planted acre) | 564.71 |
| ----- | |

All costs and returns are preliminary as of 08/01/87.

Appendix table 184--Texas corn (dryland)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 150.00 |
| Total | 150.00 |
| ===== | |
| Cash expenses: | |
| Seed | 14.34 |
| Fertilizer | 30.51 |
| Lime and gypsum | 1.41 |
| Chemicals | 12.67 |
| Custom operations | 8.04 |
| Fuel, lube, and electricity | 5.57 |
| Repairs | 9.35 |
| Hired labor | 1.54 |
| Drying | .18 |
| Miscellaneous | .47 |
| Total, variable cash expenses | 84.09 |
| General farm overhead | 10.67 |
| Taxes and insurance | 7.35 |
| Interest | 16.92 |
| Total, fixed cash expenses | 34.94 |
| Total, cash expenses | 119.03 |
| Receipts less cash expenses | 30.97 |
| Capital replacement | 22.92 |
| Receipts less cash expenses and replacement | 8.05 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 84.09 |
| General farm overhead | 10.67 |
| Taxes and insurance | 7.35 |
| Capital replacement | 22.92 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.30 |
| Return to other nonland capital | 4.00 |
| Net land rent | 27.34 |
| Unpaid labor | 12.50 |
| Total, economic costs | 171.16 |
| Residual returns to management and risk | -21.16 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.90 |
| Yield (bu./planted acre) | 78.95 |
| ----- | |

All costs and returns are preliminary as of 08/01/87.

Appendix table 185--Texas corn (irrigated)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 279.93 |
| Total | 279.93 |
| ===== | |
| Cash expenses: | |
| Seed | 18.85 |
| Fertilizer | 55.68 |
| Chemicals | 21.56 |
| Custom operations | 19.37 |
| Fuel, lube, and electricity | 84.30 |
| Repairs | 23.96 |
| Hired labor | 3.38 |
| Purchased irrigation water | 4.56 |
| Drying | 1.23 |
| Miscellaneous | 1.18 |
| Technical services | .75 |
| Total, variable cash expenses | 234.82 |
| General farm overhead | 20.68 |
| Taxes and insurance | 8.95 |
| Interest | 32.82 |
| Total, fixed cash expenses | 62.45 |
| Total, cash expenses | 297.27 |
| ===== | |
| Receipts less cash expenses | -17.34 |
| Capital replacement | 43.53 |
| Receipts less cash expenses and replacement | -60.87 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 234.82 |
| General farm overhead | 20.68 |
| Taxes and insurance | 8.95 |
| Capital replacement | 43.53 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 5.39 |
| Return to other nonland capital | 7.70 |
| Net land rent | 44.47 |
| Unpaid labor | 27.31 |
| Total, economic costs | 392.86 |
| Residual returns to management and risk | -112.93 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.90 |
| Yield (bu./planted acre) | 147.33 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 186--Texas sorghum (dryland)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 80.61 |
| Total | 80.61 |
| ===== | |
| Cash expenses: | |
| Seed | 4.09 |
| Fertilizer | 14.81 |
| Chemicals | 5.67 |
| Custom operations | 4.16 |
| Fuel, lube, and electricity | 5.12 |
| Repairs | 8.44 |
| Hired labor | 1.98 |
| Drying | .14 |
| Miscellaneous | .50 |
| Technical services | .05 |
| Total, variable cash expenses | 44.96 |
| General farm overhead | 6.55 |
| Taxes and insurance | 6.15 |
| Interest | 10.39 |
| Total, fixed cash expenses | 23.09 |
| Total, cash expenses | 68.06 |
| ===== | |
| Receipts less cash expenses | 12.55 |
| Capital replacement | 19.96 |
| Receipts less cash expenses and replacement | -7.41 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 44.96 |
| General farm overhead | 6.55 |
| Taxes and insurance | 6.15 |
| Capital replacement | 19.96 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.16 |
| Return to other nonland capital | 3.49 |
| Net land rent | 18.97 |
| Unpaid labor | 12.17 |
| Total, economic costs | 113.41 |
| Residual returns to management and risk | -32.80 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.67 |
| Yield (bu./planted acre) | 48.27 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 187--Texas sorghum (irrigated)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 122.41 |
| Total | 122.41 |
| <hr/> | |
| Cash expenses: | |
| Seed | 4.79 |
| Fertilizer | 31.43 |
| Chemicals | 15.04 |
| Custom operations | 9.21 |
| Fuel, lube, and electricity | 54.39 |
| Repairs | 19.78 |
| Hired labor | 3.49 |
| Purchased irrigation water | 3.05 |
| Miscellaneous | .58 |
| Technical services | .26 |
| Total, variable cash expenses | 142.02 |
| General farm overhead | 10.39 |
| Taxes and insurance | 7.83 |
| Interest | 16.48 |
| Total, fixed cash expenses | 34.70 |
| Total, cash expenses | 176.72 |
| <hr/> | |
| Receipts less cash expenses | -54.31 |
| Capital replacement | 37.44 |
| Receipts less cash expenses and replacement | -91.75 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 142.02 |
| General farm overhead | 10.39 |
| Taxes and insurance | 7.83 |
| Capital replacement | 37.44 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.12 |
| Return to other nonland capital | 6.48 |
| Net land rent | 19.64 |
| Unpaid labor | 21.47 |
| Total, economic costs | 247.39 |
| Residual returns to management and risk | -124.98 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.67 |
| Yield (bu./planted acre) | 73.30 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 188--Texas hard red winter wheat
(dryland) production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 27.85 |
| Secondary crop | 7.32 |
| Total | 35.17 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.51 |
| Fertilizer | 10.96 |
| Chemicals | 1.82 |
| Custom operations | 5.27 |
| Fuel, lube, and electricity | 3.24 |
| Repairs | 5.46 |
| Hired labor | .71 |
| Total, variable cash expenses | 32.97 |
| General farm overhead | 2.78 |
| Taxes and insurance | 3.67 |
| Interest | 4.41 |
| Total, fixed cash expenses | 10.86 |
| Total, cash expenses | 43.83 |
| <hr/> | |
| Receipts less cash expenses | -8.66 |
| Capital replacement | 11.46 |
| Receipts less cash expenses and replacement | -20.12 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 32.97 |
| General farm overhead | 2.78 |
| Taxes and insurance | 3.67 |
| Capital replacement | 11.46 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.10 |
| Return to other nonland capital | 1.93 |
| Net land rent | 6.00 |
| Unpaid labor | 8.17 |
| Total, economic costs | 68.08 |
| Residual returns to management and risk | -32.91 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.21 |
| Yield (bu./planted acre) | 12.60 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 189--Texas hard red winter wheat
(irrigated) production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 65.48 |
| Secondary crop | 20.59 |
| Total | 86.07 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.99 |
| Fertilizer | 29.19 |
| Chemicals | 2.23 |
| Custom operations | 8.57 |
| Fuel, lube, and electricity | 72.90 |
| Repairs | 20.08 |
| Hired labor | 1.49 |
| Miscellaneous | .06 |
| Technical services | .06 |
| Total, variable cash expenses | 140.57 |
| <hr/> | |
| General farm overhead | 7.61 |
| Taxes and insurance | 6.53 |
| Interest | 12.07 |
| Total, fixed cash expenses | 26.21 |
| Total, cash expenses | 166.78 |
| <hr/> | |
| Receipts less cash expenses | -80.71 |
| Capital replacement | 35.13 |
| Receipts less cash expenses and replacement | -115.84 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 140.57 |
| General farm overhead | 7.61 |
| Taxes and insurance | 6.53 |
| Capital replacement | 35.13 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 3.65 |
| Return to other nonland capital | 5.87 |
| Unpaid labor | 17.09 |
| Total, economic costs | 216.45 |
| <hr/> | |
| Residual returns to management and risk | -130.38 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.21 |
| Yield (bu./planted acre) | 29.63 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 190--Texas Gulf Coast (upper counties)
rice production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 227.82 |
| Total | 227.82 |
| <hr/> | |
| Cash expenses: | |
| Seed | 25.75 |
| Fertilizer | 36.42 |
| Chemicals | .38 |
| Custom operations | 70.17 |
| Fuel, lube, and electricity | 31.33 |
| Repairs | 25.06 |
| Hired labor | 15.58 |
| Purchased irrigation water | 55.95 |
| Drying | 58.11 |
| Technical services | 4.38 |
| Total, variable cash expenses | 323.13 |
| <hr/> | |
| General farm overhead | 19.21 |
| Taxes and insurance | 11.38 |
| Interest | 30.48 |
| Total, fixed cash expenses | 61.07 |
| Total, cash expenses | 384.21 |
| <hr/> | |
| Receipts less cash expenses | -156.39 |
| Capital replacement | 36.69 |
| Receipts less cash expenses and replacement | -193.08 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 323.13 |
| General farm overhead | 19.21 |
| Taxes and insurance | 11.38 |
| Capital replacement | 36.69 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 6.15 |
| Return to other nonland capital | 7.79 |
| Net land rent | 8.60 |
| Unpaid labor | 26.54 |
| Total, economic costs | 439.49 |
| <hr/> | |
| Residual returns to management and risk | -211.67 |
| <hr/> | |
| Harvest-period price (dollars/cwt.) | 4.03 |
| Yield (cwt./planted acre) | 56.53 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 191--Texas Gulf Coast (lower counties)
rice production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 269.73 |
| Total | 269.73 |
| <hr/> | |
| Cash expenses: | |
| Seed | 26.50 |
| Fertilizer | 38.56 |
| Chemicals | 2.91 |
| Custom operations | 79.96 |
| Fuel, lube, and electricity | 34.42 |
| Repairs | 33.76 |
| Hired labor | 17.85 |
| Purchased irrigation water | 73.61 |
| Drying | 57.43 |
| Technical services | 7.62 |
| Total, variable cash expenses | 372.62 |
| General farm overhead | 23.21 |
| Taxes and insurance | 15.06 |
| Interest | 36.84 |
| Total, fixed cash expenses | 75.11 |
| Total, cash expenses | 447.73 |
| <hr/> | |
| Receipts less cash expenses | -178.00 |
| Capital replacement | 66.25 |
| Receipts less cash expenses and replacement | -244.25 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 372.62 |
| General farm overhead | 23.21 |
| Taxes and insurance | 15.06 |
| Capital replacement | 66.25 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 6.07 |
| Return to other nonland capital | 11.75 |
| Net land rent | 10.68 |
| Unpaid labor | 30.40 |
| Total, economic costs | 536.04 |
| Residual returns to management and risk | -266.31 |
| <hr/> | |
| Harvest-period price (dollars/cwt.) | 4.03 |
| Yield (cwt./planted acre) | 66.93 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 192--Texas peanuts (dryland)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts: | Dollars |
| Primary crop | 265.74 |
| Secondary crop | 8.71 |
| Total | 274.45 |
| <hr/> | |
| Cash expenses: | |
| Seed | 41.47 |
| Fertilizer | 14.21 |
| Lime and gypsum | 1.41 |
| Chemicals | 23.16 |
| Custom operations | 4.87 |
| Fuel, lube, and electricity | 7.32 |
| Repairs | 12.60 |
| Hired labor | 6.87 |
| Drying | 15.10 |
| Technical services | .17 |
| Total, variable cash expenses | 127.18 |
| General farm overhead | 8.20 |
| Taxes and insurance | 8.53 |
| Interest | 13.00 |
| Total, fixed cash expenses | 29.73 |
| Total, cash expenses | 156.91 |
| <hr/> | |
| Receipts less cash expenses | 117.54 |
| Capital replacement | 29.85 |
| Receipts less cash expenses and replacement | 87.69 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 127.18 |
| General farm overhead | 8.20 |
| Taxes and insurance | 8.53 |
| Capital replacement | 29.85 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.31 |
| Return to other nonland capital | 5.93 |
| Net land rent | 39.37 |
| Unpaid labor | 23.01 |
| Total, economic costs | 244.38 |
| Residual returns to management and risk | 30.07 |
| <hr/> | |
| Harvest-period price (dollars/lb.) | .30 |
| Yield (lbs./planted acre) | 891.76 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 193--Texas peanuts (irrigated)
production costs per planted acre

| Item | 1986 |
|---|----------|
| <u>Dollars</u> | |
| Cash receipts: | |
| Primary crop | 724.65 |
| Secondary crop | 17.41 |
| Total | 742.06 |
| Cash expenses: | |
| Seed | 41.47 |
| Fertilizer | 20.76 |
| Chemicals | 45.33 |
| Custom operations | 15.41 |
| Fuel, lube, and electricity | 61.64 |
| Repairs | 33.10 |
| Hired labor | 10.40 |
| Drying | 25.08 |
| Technical services | .94 |
| Total, variable cash expenses | 254.13 |
| General farm overhead | 32.90 |
| Taxes and insurance | 13.25 |
| Interest | 52.21 |
| Total, fixed cash expenses | 98.36 |
| Total, cash expenses | 352.48 |
| Receipts less cash expenses | 389.58 |
| Capital replacement | 69.92 |
| Receipts less cash expenses and replacement | 319.66 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 254.13 |
| General farm overhead | 32.90 |
| Taxes and insurance | 13.25 |
| Capital replacement | 69.92 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 4.39 |
| Return to other nonland capital | 12.57 |
| Net land rent | 108.20 |
| Unpaid labor | 34.80 |
| Total, economic costs | 530.16 |
| Residual returns to management and risk | 211.90 |
| Harvest-period price (dollars/lb.) | .30 |
| Yield (lbs./planted acre) | 2,431.71 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 194--Texas cotton (dryland)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 94.17 |
| Secondary crop | 19.73 |
| Total | 113.90 |
| Cash expenses: | |
| Seed | 8.10 |
| Fertilizer | 5.43 |
| Chemicals | 18.35 |
| Custom operations | 5.08 |
| Fuel, lube, and electricity | 6.25 |
| Repairs | 10.76 |
| Hired labor | 7.23 |
| Ginning | 26.34 |
| Technical services | 0.21 |
| Total, variable cash expenses | 87.74 |
| General farm overhead | 7.50 |
| Taxes and insurance | 5.84 |
| Interest | 11.90 |
| Total, fixed cash expenses | 25.25 |
| Total, cash expenses | 112.99 |
| Receipts less cash expenses | 0.91 |
| Capital replacement | 23.57 |
| Receipts less cash expenses and replacement | -22.66 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 87.74 |
| General farm overhead | 7.50 |
| Taxes and insurance | 5.84 |
| Capital replacement | 23.57 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.63 |
| Return to other nonland capital | 3.95 |
| Net land rent | 20.36 |
| Unpaid labor | 14.02 |
| Total, economic costs | 164.62 |
| Residual returns to management and risk | -50.72 |
| Harvest-period price (dollars/lb.) | .48 |
| Yield (lbs./planted acre) | 196.19 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 195--Texas cotton (irrigation)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 177.39 |
| Secondary crop | 40.60 |
| Total | 217.99 |
| ===== | |
| Cash expenses: | |
| Seed | 9.21 |
| Fertilizer | 12.41 |
| Chemicals | 35.52 |
| Custom operations | 11.93 |
| Fuel, lube, and electricity | 36.78 |
| Repairs | 21.22 |
| Hired labor | 12.18 |
| Purchased irrigation water | 3.58 |
| Ginning | 38.66 |
| Technical services | 1.17 |
| Total, variable cash expenses | 182.65 |
| ===== | |
| General farm overhead | 10.33 |
| Taxes and insurance | 8.98 |
| Interest | 16.40 |
| Total, fixed cash expenses | 35.71 |
| Total, cash expenses | 218.36 |
| ===== | |
| Receipts less cash expenses | -0.37 |
| Capital replacement | 45.61 |
| Receipts less cash expenses and replacement | -45.98 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 182.65 |
| General farm overhead | 10.33 |
| Taxes and insurance | 8.98 |
| Capital replacement | 45.61 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 3.37 |
| Return to other nonland capital | 7.88 |
| Net land rent | 35.36 |
| Unpaid labor | 23.64 |
| Total, economic costs | 317.83 |
| ===== | |
| Residual returns to management and risk | -99.84 |
| ===== | |
| Harvest-period price (dollars/lb.) | .48 |
| Yield (lbs./planted acre) | 369.57 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 196--Virginia corn production costs
per planted acre

| Item | 1986 |
|---|---------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 87.90 |
| Total | 87.90 |
| ===== | |
| Cash expenses: | |
| Seed | 16.26 |
| Fertilizer | 45.07 |
| Lime and gypsum | 7.69 |
| Chemicals | 23.95 |
| Custom operations | 10.97 |
| Fuel, lube, and electricity | 3.66 |
| Repairs | 8.13 |
| Hired labor | 1.39 |
| Drying | .79 |
| Miscellaneous | .03 |
| Technical services | .68 |
| Total, variable cash expenses | 118.62 |
| ===== | |
| General farm overhead | 13.61 |
| Taxes and insurance | 8.63 |
| Interest | 20.75 |
| Total, fixed cash expenses | 42.99 |
| Total, cash expenses | 161.61 |
| ===== | |
| Receipts less cash expenses | -73.71 |
| Capital replacement | 21.26 |
| Receipts less cash expenses and replacement | -94.97 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 118.62 |
| General farm overhead | 13.61 |
| Taxes and insurance | 8.63 |
| Capital replacement | 21.26 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.72 |
| Return to other nonland capital | 3.84 |
| Net land rent | 22.34 |
| Unpaid labor | 11.28 |
| Total, economic costs | 202.30 |
| ===== | |
| Residual returns to management and risk | -114.40 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.75 |
| Yield (bu./planted acre) | 50.23 |
| ===== | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 197--Virginia soft red winter wheat
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 79.20 |
| Total | 79.20 |
| Cash expenses: | |
| Seed | 9.22 |
| Fertilizer | 28.18 |
| Lime and gypsum | 4.66 |
| Chemicals | 3.15 |
| Custom operations | 4.59 |
| Fuel, lube, and electricity | 3.27 |
| Repairs | 5.41 |
| Hired labor | .77 |
| Miscellaneous | 1.01 |
| Technical services | .21 |
| Total, variable cash expenses | 60.46 |
| General farm overhead | 5.38 |
| Taxes and insurance | 5.61 |
| Interest | 8.20 |
| Total, fixed cash expenses | 19.19 |
| Total, cash expenses | 79.65 |
| Receipts less cash expenses | -45 |
| Capital replacement | 15.24 |
| Receipts less cash expenses and replacement | -15.69 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 60.46 |
| General farm overhead | 5.38 |
| Taxes and insurance | 5.61 |
| Capital replacement | 15.24 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.00 |
| Return to other nonland capital | 2.73 |
| Net land rent | 15.07 |
| Unpaid labor | 8.83 |
| Total, economic costs | 115.32 |
| Residual returns to management and risk | -36.12 |
| Harvest-period price (dollars/bu.) | 2.50 |
| Yield (bu./planted acre) | 31.68 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 198--Virginia soybeans
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 114.71 |
| Total | 114.71 |
| Cash expenses: | |
| Seed | 7.66 |
| Fertilizer | 16.88 |
| Lime and gypsum | 6.76 |
| Chemicals | 21.59 |
| Custom operations | 5.95 |
| Fuel, lube, and electricity | 2.74 |
| Repairs | 5.77 |
| Hired labor | 1.14 |
| Technical services | .22 |
| Total, variable cash expenses | 68.71 |
| General farm overhead | 6.84 |
| Taxes and insurance | 6.44 |
| Interest | 10.43 |
| Total, fixed cash expenses | 23.71 |
| Total, cash expenses | 92.41 |
| Receipts less cash expenses | 22.30 |
| Capital replacement | 20.04 |
| Receipts less cash expenses and replacement | 2.26 |
| Economic (full ownership) costs: | |
| Variable cash expenses | 68.71 |
| General farm overhead | 6.84 |
| Taxes and insurance | 6.44 |
| Capital replacement | 20.04 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.93 |
| Return to other nonland capital | 3.10 |
| Net land rent | 22.44 |
| Unpaid labor | 7.62 |
| Total, economic costs | 137.12 |
| Residual returns to management and risk | -22.41 |
| Harvest-period price (dollars/bu.) | 4.90 |
| Yield (bu./planted acre) | 23.41 |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 199--Virginia peanuts
production costs per planted acre

| Item | 1986 |
|---|----------|
| <u>Dollars</u> | |
| Cash receipts: | |
| Primary crop | 784.30 |
| Secondary crop | 26.85 |
| Total | 811.15 |
| ===== | |
| Cash expenses: | |
| Seed | 77.62 |
| Fertilizer | 9.56 |
| Lime and gypsum | 21.14 |
| Chemicals | 126.85 |
| Custom operations | 2.29 |
| Fuel, lube, and electricity | 9.12 |
| Repairs | 17.23 |
| Hired labor | 6.92 |
| Drying | 62.11 |
| Miscellaneous | .58 |
| Total, variable cash expenses | 333.42 |
| General farm overhead | 34.95 |
| Taxes and insurance | 15.68 |
| Interest | 53.28 |
| Total, fixed cash expenses | 103.91 |
| Total, cash expenses | 437.33 |
| ===== | |
| Receipts less cash expenses | 373.82 |
| Capital replacement | 61.99 |
| Receipts less cash expenses and replacement | 311.83 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 333.42 |
| General farm overhead | 34.95 |
| Taxes and insurance | 15.68 |
| Capital replacement | 61.99 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 7.05 |
| Return to other nonland capital | 12.01 |
| Net land rent | 89.62 |
| Unpaid labor | 23.18 |
| Total, economic costs | 577.89 |
| ===== | |
| Residual returns to management and risk | 233.26 |
| ===== | |
| Harvest-period price (dollars/lb.) | .25 |
| Yield (lbs./planted acre) | 3,100.00 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 200--Washington barley (after crop)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 72.88 |
| Total | 72.88 |
| ===== | |
| Cash expenses: | |
| Seed | 5.49 |
| Fertilizer | 16.65 |
| Chemicals | 10.73 |
| Custom operations | 1.94 |
| Fuel, lube, and electricity | 3.01 |
| Repairs | 9.37 |
| Hired labor | .97 |
| Miscellaneous | .61 |
| Total, variable cash expenses | 48.76 |
| General farm overhead | 9.62 |
| Taxes and insurance | 8.63 |
| Interest | 14.07 |
| Total, fixed cash expenses | 32.32 |
| Total, cash expenses | 81.08 |
| ===== | |
| Receipts less cash expenses | -8.20 |
| Capital replacement | 22.10 |
| Receipts less cash expenses and replacement | -30.30 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 48.76 |
| General farm overhead | 9.62 |
| Taxes and insurance | 8.63 |
| Capital replacement | 22.10 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .61 |
| Return to other nonland capital | 3.91 |
| Net land rent | 14.87 |
| Unpaid labor | 6.46 |
| Total, economic costs | 114.97 |
| ===== | |
| Residual returns to management and risk | -42.09 |
| ===== | |
| Harvest-period price (dollars/bu.) | 1.49 |
| Yield (bu./planted acre) | 48.91 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 201--Washington barley (after fallow)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 63.53 |
| Total | 63.53 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.00 |
| Fertilizer | 12.19 |
| Chemicals | 8.63 |
| Custom operations | .84 |
| Fuel, lube, and electricity | 3.49 |
| Repairs | 10.89 |
| Hired labor | 1.34 |
| Total, variable cash expenses | 42.38 |
| General farm overhead | 8.61 |
| Taxes and insurance | 13.04 |
| Interest | 12.59 |
| Total, fixed cash expenses | 34.24 |
| Total, cash expenses | 76.63 |
| <hr/> | |
| Receipts less cash expenses | -13.10 |
| Capital replacement | 22.10 |
| Receipts less cash expenses and replacement | -35.20 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 42.38 |
| General farm overhead | 8.61 |
| Taxes and insurance | 13.04 |
| Capital replacement | 22.10 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .74 |
| Return to other nonland capital | 4.02 |
| Net land rent | 7.59 |
| Unpaid labor | 9.00 |
| Total, economic costs | 107.48 |
| Residual returns to management and risk | -43.95 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.49 |
| Yield (bu./planted acre) | 42.64 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 202--Washington barley (irrigated)
production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 124.94 |
| Secondary crop | 9.37 |
| Total | 134.31 |
| <hr/> | |
| Cash expenses: | |
| Seed | 6.42 |
| Fertilizer | 23.95 |
| Chemicals | 8.18 |
| Custom operations | 15.63 |
| Fuel, lube, and electricity | 31.00 |
| Repairs | 22.12 |
| Hired labor | 2.46 |
| Purchased irrigation water | 8.16 |
| Miscellaneous | .54 |
| Technical services | .54 |
| Total, variable cash expenses | 119.00 |
| General farm overhead | 13.35 |
| Taxes and insurance | 27.39 |
| Interest | 19.54 |
| Total, fixed cash expenses | 60.28 |
| Total, cash expenses | 179.28 |
| <hr/> | |
| Receipts less cash expenses | -44.97 |
| Capital replacement | 53.76 |
| Receipts less cash expenses and replacement | -98.73 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 119.00 |
| General farm overhead | 13.35 |
| Taxes and insurance | 27.39 |
| Capital replacement | 53.76 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.52 |
| Return to other nonland capital | 9.35 |
| Net land rent | 16.27 |
| Unpaid labor | 16.48 |
| Total, economic costs | 257.12 |
| Residual returns to management and risk | -122.81 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.49 |
| Yield (bu./planted acre) | 83.85 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 203--Washington white winter wheat
(after crop) production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 153.13 |
| Secondary crop | 1.51 |
| Total | 154.64 |
| <hr/> | |
| Cash expenses: | |
| Seed | 7.33 |
| Fertilizer | 33.74 |
| Chemicals | 18.41 |
| Custom operations | 4.21 |
| Fuel, lube, and electricity | 3.54 |
| Repairs | 10.98 |
| Hired labor | .70 |
| Miscellaneous | .26 |
| Technical services | 79.17 |
| Total, variable cash expenses | |
| General farm overhead | 15.22 |
| Taxes and insurance | 9.67 |
| Interest | 22.27 |
| Total, fixed cash expenses | 47.16 |
| Total, cash expenses | 126.33 |
| <hr/> | |
| Receipts less cash expenses | 28.31 |
| Capital replacement | 21.55 |
| Receipts less cash expenses and replacement | 6.76 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 79.17 |
| General farm overhead | 15.22 |
| Taxes and insurance | 9.67 |
| Capital replacement | 21.55 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.52 |
| Return to other nonland capital | 4.12 |
| Net land rent | 40.33 |
| Unpaid labor | 8.10 |
| Total, economic costs | 180.68 |
| Residual returns to management and risk | -26.04 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.38 |
| Yield (bu./planted acre) | 64.34 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 204--Washington white winter wheat
(after fallow) production costs per planted acre

| Item | 1986 |
|---|---------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | Dollars |
| Primary crop | 118.93 |
| Secondary crop | .61 |
| Total | 119.54 |
| <hr/> | |
| Cash expenses: | |
| Seed | 4.77 |
| Fertilizer | 15.27 |
| Chemicals | 6.89 |
| Custom operations | 2.35 |
| Fuel, lube, and electricity | 4.00 |
| Repairs | 10.66 |
| Hired labor | .86 |
| Miscellaneous | .09 |
| Technical services | .10 |
| Total, variable cash expenses | 44.99 |
| General farm overhead | 12.14 |
| Taxes and insurance | 12.55 |
| Interest | 17.76 |
| Total, fixed cash expenses | 42.45 |
| Total, cash expenses | 87.44 |
| <hr/> | |
| Receipts less cash expenses | 32.10 |
| Capital replacement | 26.69 |
| Receipts less cash expenses and replacement | 5.41 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 44.99 |
| General farm overhead | 12.14 |
| Taxes and insurance | 12.55 |
| Capital replacement | 26.69 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.53 |
| Return to other nonland capital | 4.57 |
| Net land rent | 27.88 |
| Unpaid labor | 9.84 |
| Total, economic costs | 140.18 |
| Residual returns to management and risk | -20.64 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.38 |
| Yield (bu./planted acre) | 49.97 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 205--Washington white winter wheat
(irrigated) production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 249.64 |
| Secondary crop | 4.84 |
| Total | 254.48 |
| <hr/> | |
| Cash expenses: | |
| Seed | 7.66 |
| Fertilizer | 51.98 |
| Chemicals | 10.70 |
| Custom operations | 9.19 |
| Fuel, lube, and electricity | 27.03 |
| Repairs | 21.48 |
| Hired labor | 1.80 |
| Purchased irrigation water | 9.46 |
| Miscellaneous | 1.27 |
| Technical services | .70 |
| Total, variable cash expenses | 141.27 |
| <hr/> | |
| General farm overhead | 21.63 |
| Taxes and insurance | 28.57 |
| Interest | 31.66 |
| Total, fixed cash expenses | 81.86 |
| <hr/> | |
| Total, cash expenses | 223.13 |
| <hr/> | |
| Receipts less cash expenses | 31.35 |
| Capital replacement | 46.67 |
| Receipts less cash expenses and replacement | -15.32 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 141.27 |
| General farm overhead | 21.63 |
| Taxes and insurance | 28.57 |
| Capital replacement | 46.67 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 4.14 |
| Return to other nonland capital | 8.04 |
| Net land rent | 36.84 |
| Unpaid labor | 20.67 |
| Total, economic costs | 307.84 |
| <hr/> | |
| Residual returns to management and risk | -53.36 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.38 |
| Yield (bu./planted acre) | 104.89 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 206--Wisconsin corn production costs
per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 165.43 |
| Total | 165.43 |
| <hr/> | |
| Cash expenses: | |
| Seed | 15.23 |
| Fertilizer | 38.50 |
| Lime and gypsum | 2.41 |
| Chemicals | 19.67 |
| Custom operations | 7.99 |
| Fuel, lube, and electricity | 6.55 |
| Repairs | 9.59 |
| Hired labor | 1.66 |
| Drying | 3.12 |
| Miscellaneous | .46 |
| Technical services | .60 |
| Total, variable cash expenses | 105.78 |
| <hr/> | |
| General farm overhead | 19.17 |
| Taxes and insurance | 25.48 |
| Interest | 61.81 |
| Total, fixed cash expenses | 106.46 |
| <hr/> | |
| Total, cash expenses | 212.24 |
| <hr/> | |
| Receipts less cash expenses | -46.81 |
| Capital replacement | 31.72 |
| Receipts less cash expenses and replacement | -78.53 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 105.78 |
| General farm overhead | 19.17 |
| Taxes and insurance | 25.48 |
| Capital replacement | 31.72 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 2.65 |
| Return to other nonland capital | 6.97 |
| Net land rent | 21.87 |
| Unpaid labor | 13.42 |
| Total, economic costs | 227.07 |
| <hr/> | |
| Residual returns to management and risk | -61.64 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.42 |
| Yield (bu./planted acre) | 116.50 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 207--Wisconsin oats production costs
per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 36.45 |
| Secondary crop | 35.64 |
| Total | 72.09 |
| ===== | |
| Cash expenses: | |
| Seed | 6.07 |
| Fertilizer | 10.50 |
| Lime and gypsum | 4.06 |
| Chemicals | 2.18 |
| Custom operations | 4.67 |
| Fuel, lube, and electricity | 5.86 |
| Repairs | 7.30 |
| Hired labor | 1.49 |
| Miscellaneous | 1.26 |
| Technical services | .15 |
| Total, variable cash expenses | 43.55 |
| General farm overhead | 5.43 |
| Taxes and insurance | 21.55 |
| Interest | 17.50 |
| Total, fixed cash expenses | 44.47 |
| Total, cash expenses | 88.02 |
| ===== | |
| Receipts less cash expenses | -15.93 |
| Capital replacement | 23.15 |
| Receipts less cash expenses and replacement | -39.08 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 43.55 |
| General farm overhead | 5.43 |
| Taxes and insurance | 21.55 |
| Capital replacement | 23.15 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.00 |
| Return to other nonland capital | 5.03 |
| Net land rent | 15.06 |
| Unpaid labor | 15.10 |
| Total, economic costs | 129.86 |
| Residual returns to management and risk | -57.77 |
| ===== | |
| Harvest-period price (dollars/bu.) | .83 |
| Yield (bu./planted acre) | 43.92 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 208--Wisconsin soybeans
production costs per planted acre

| Item | 1986 |
|---|--------|
| <u>Dollars</u> | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 156.40 |
| Total | 156.40 |
| ===== | |
| Cash expenses: | |
| Seed | 10.67 |
| Fertilizer | 12.86 |
| Lime and gypsum | 2.54 |
| Chemicals | 24.27 |
| Custom operations | 2.24 |
| Fuel, lube, and electricity | 4.95 |
| Repairs | 6.91 |
| Hired labor | 1.42 |
| Miscellaneous | .34 |
| Technical services | .49 |
| Total, variable cash expenses | 66.69 |
| General farm overhead | 16.54 |
| Taxes and insurance | 26.27 |
| Interest | 53.32 |
| Total, fixed cash expenses | 96.12 |
| Total, cash expenses | 162.81 |
| ===== | |
| Receipts less cash expenses | -6.41 |
| Capital replacement | 27.64 |
| Receipts less cash expenses and replacement | -34.05 |
| ===== | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 66.69 |
| General farm overhead | 16.54 |
| Taxes and insurance | 26.27 |
| Capital replacement | 27.64 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.53 |
| Return to other nonland capital | 5.27 |
| Net land rent | 43.04 |
| Unpaid labor | 9.53 |
| Total, economic costs | 196.50 |
| Residual returns to management and risk | -40.10 |
| ===== | |
| Harvest-period price (dollars/bu.) | 4.48 |
| Yield (bu./planted acre) | 34.91 |
| ----- | |
| All costs and returns are preliminary as of 08/01/87. | |

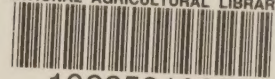
Appendix table 209--Wyoming barley (irrigated)
production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 84.87 |
| Secondary crop | 18.81 |
| Total | 103.68 |
| <hr/> | |
| Cash expenses: | |
| Seed | 5.68 |
| Fertilizer | 10.78 |
| Chemicals | 5.81 |
| Custom operations | 1.68 |
| Fuel, lube, and electricity | 16.42 |
| Repairs | 12.33 |
| Hired labor | 3.42 |
| Purchased irrigation water | 6.74 |
| Miscellaneous | .73 |
| Total, variable cash expenses | 63.59 |
| General farm overhead | 17.70 |
| Taxes and insurance | 11.47 |
| Interest | 29.45 |
| Total, fixed cash expenses | 58.62 |
| Total, cash expenses | 122.21 |
| Receipts less cash expenses | -18.53 |
| Capital replacement | 32.90 |
| Receipts less cash expenses and replacement | -51.43 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 63.59 |
| General farm overhead | 17.70 |
| Taxes and insurance | 11.47 |
| Capital replacement | 32.90 |
| Allocated returns to owned inputs: | |
| Return to operating capital | .96 |
| Return to other nonland capital | 6.76 |
| Net land rent | 15.27 |
| Unpaid labor | 22.90 |
| Total, economic costs | 171.55 |
| Residual returns to management and risk | -67.87 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 1.33 |
| Yield (bu./planted acre) | 63.81 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

Appendix table 210--Wyoming hard red winter wheat
(after fallow) production costs per planted acre

| Item | 1986 |
|---|--------|
| <hr/> | |
| Dollars | |
| Cash receipts (excl. direct Gov't. payments): | |
| Primary crop | 47.65 |
| Total | 47.65 |
| <hr/> | |
| Cash expenses: | |
| Seed | 3.05 |
| Fertilizer | 6.85 |
| Chemicals | .54 |
| Custom operations | 8.23 |
| Fuel, lube, and electricity | 4.76 |
| Repairs | 7.11 |
| Hired labor | .66 |
| Total, variable cash expenses | 31.20 |
| General farm overhead | 7.35 |
| Taxes and insurance | 4.90 |
| Interest | 12.23 |
| Total, fixed cash expenses | 24.48 |
| Total, cash expenses | 55.67 |
| Receipts less cash expenses | -8.02 |
| Capital replacement | 17.39 |
| Receipts less cash expenses and replacement | -25.41 |
| <hr/> | |
| Economic (full ownership) costs: | |
| Variable cash expenses | 31.20 |
| General farm overhead | 7.35 |
| Taxes and insurance | 4.90 |
| Capital replacement | 17.39 |
| Allocated returns to owned inputs: | |
| Return to operating capital | 1.25 |
| Return to other nonland capital | 2.95 |
| Net land rent | 14.73 |
| Unpaid labor | 7.57 |
| Total, economic costs | 87.34 |
| Residual returns to management and risk | -39.69 |
| <hr/> | |
| Harvest-period price (dollars/bu.) | 2.10 |
| Yield (bu./planted acre) | 22.69 |
| <hr/> | |
| All costs and returns are preliminary as of 08/01/87. | |

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